

## Subject Index

### A

#### **$\alpha$ -Adducin**

Association Between the  $\alpha$ -Adducin Gly460Trp Polymorphism and Systolic Blood Pressure in Familial Combined Hyperlipidemia, 1185

#### **$\alpha$ -Adrenergic blockers**

Antihypertensive Effect of  $\alpha$ - and  $\beta$ -Adrenergic Blockade in Obese and Lean Hypertensive Subjects, 694

Low-Dose  $\alpha/\beta$  Blockade in the Treatment of Essential Hypertension, 553

#### **beta<sub>2</sub>-Adrenergic receptor gene**

Association of  $\beta_2$ -Adrenoceptor Gln27Glu Variant With Body Weight But Not Hypertension, 1201

The Glycine Allele of a Glycine/Arginine Polymorphism in the  $\beta_2$ -Adrenergic Receptor Gene Is Associated With Essential Hypertension in a Population of Chinese Origin, 1196

#### **alpha<sub>2</sub>-Adrenergic receptors**

Role of alpha<sub>2</sub>-Adrenoceptor Receptors in Hypertension, 171S

#### **Adrenomedullin**

Urinary Adrenomedullin Is Related to ET-1 and Salt Intake in Patients With Mild Essential Hypertension, 224

#### **African Americans. See also Race**

Diabetic Nephropathy in African Americans, 132S

Plasma Renin Activity and Insulin Resistance in African American and White Children: The Bogalusa Heart Study, 212

Sibling Correlation of Left Ventricular Mass and Geometry in Hypertensive African Americans and Whites: The HyperGEN Study, 1226

Valsartan Alone or With a Diuretic or ACE Inhibitor as Treatment for African American Hypertensives: Relation to Salt Intake, 665

#### **Age**

Gender and Age Effects on the Ambulatory Blood Pressure and Heart Rate Responses to Antihypertensive Therapy, 1239

#### **Albumin**

Association Between Albumin:Creatinine Ratio and 24-Hour Ambulatory Blood Pressure in Essential Hypertension, 338

#### **Aldosterone**

Abstract, Closing Summary, and Table of Contents for Laragh's 25 Lessons in Pathophysiology and 12 Clinical Pearls for Treating Hypertension, 1173

Aldosterone Esters and the Heart, 200S

-344C/T Polymorphism of CYP11B2 Gene in Italian Patients With Idiopathic Low Renin Hypertension, 934

New Frontiers in Aldosterone/Mineralocorticoid

Biology: A Reemerging Force in Target Organ Damage and Hypertension, 1276

#### **Allicin**

The Effects of Allicin and Enalapril in Fructose-Induced Hyperinsulinemic Hyperlipidemic Hypertensive Rats, 377

#### **Alternative therapies**

Herbs and Alternative Therapies in the Hypertension Clinic, 971

#### **Ambulatory blood pressure**

Arterial Distensibility and Ambulatory Blood Pressure Monitoring in Young Patients With Neurofibromatosis Type 1, 559

Association Between Albumin:Creatinine Ratio and 24-Hour Ambulatory Blood Pressure in Essential Hypertension, 338

Comparison of Candesartan Versus Enalapril in Essential Hypertension, 129

Device-Guided Breathing Exercises Reduce Blood Pressure: Ambulatory and Home Measurements, 74

Dipping Is Superior to Cusums Analysis in Assessment of the Risk of Stroke in a Case-Control Study, 649

Effect of Combination Hormone Replacement Therapy on Ambulatory Blood Pressure and Arterial Stiffness in Diabetic Postmenopausal Women, 699

Evaluation of the 24-Hour Blood Pressure Effects of Eprosartan in Patients With Systemic Hypertension, 1248

Evaluation of White Coat Hypertension in Children:

Importance of the Definitions of Normal Ambulatory Blood Pressure and the Severity of Casual Hypertension, 855

Gender and Age Effects on the Ambulatory Blood Pressure and Heart Rate Responses to Antihypertensive Therapy, 1239

Impact of Smoking Cessation on Ambulatory Blood Pressure and Heart Rate in Postmenopausal Women, 942

Is Resistant Hypertension Really Resistant?, 1263

Plasma Leptin Concentration, Insulin Sensitivity, and 24-Hour Ambulatory Blood Pressure and Left Ventricular Geometry, 114

Pulse Pressure in Normotensives: A Marker of Cardiovascular Disease, 195

Rate of Complications of 24-Hour Ambulatory Blood Pressure Monitoring (ABPM) Is Low (letter), 487

Relationship Between 24-Hour Blood Pressure and Sleep Disordered Breathing in a Normotensive Community Sample, 743

Sleep Effects on Ambulatory Blood Pressure Measurements in Pregnant Women, 38

## Subject Index

### A

#### **$\alpha$ -Adducin**

Association Between the  $\alpha$ -Adducin Gly460Trp Polymorphism and Systolic Blood Pressure in Familial Combined Hyperlipidemia, 1185

#### **$\alpha$ -Adrenergic blockers**

Antihypertensive Effect of  $\alpha$ - and  $\beta$ -Adrenergic Blockade in Obese and Lean Hypertensive Subjects, 694

Low-Dose  $\alpha/\beta$  Blockade in the Treatment of Essential Hypertension, 553

#### **beta<sub>2</sub>-Adrenergic receptor gene**

Association of  $\beta_2$ -Adrenoceptor Gln27Glu Variant With Body Weight But Not Hypertension, 1201

The Glycine Allele of a Glycine/Arginine Polymorphism in the  $\beta_2$ -Adrenergic Receptor Gene Is Associated With Essential Hypertension in a Population of Chinese Origin, 1196

#### **alpha<sub>2</sub>-Adrenergic receptors**

Role of alpha<sub>2</sub>-Adrenoceptor Receptors in Hypertension, 171S

#### **Adrenomedullin**

Urinary Adrenomedullin Is Related to ET-1 and Salt Intake in Patients With Mild Essential Hypertension, 224

#### **African Americans. See also Race**

Diabetic Nephropathy in African Americans, 132S

Plasma Renin Activity and Insulin Resistance in African American and White Children: The Bogalusa Heart Study, 212

Sibling Correlation of Left Ventricular Mass and Geometry in Hypertensive African Americans and Whites: The HyperGEN Study, 1226

Valsartan Alone or With a Diuretic or ACE Inhibitor as Treatment for African American Hypertensives: Relation to Salt Intake, 665

#### **Age**

Gender and Age Effects on the Ambulatory Blood Pressure and Heart Rate Responses to Antihypertensive Therapy, 1239

#### **Albumin**

Association Between Albumin:Creatinine Ratio and 24-Hour Ambulatory Blood Pressure in Essential Hypertension, 338

#### **Aldosterone**

Abstract, Closing Summary, and Table of Contents for Laragh's 25 Lessons in Pathophysiology and 12 Clinical Pearls for Treating Hypertension, 1173

Aldosterone Esters and the Heart, 200S

-344C/T Polymorphism of CYP11B2 Gene in Italian Patients With Idiopathic Low Renin Hypertension, 934

New Frontiers in Aldosterone/Mineralocorticoid

Biology: A Reemerging Force in Target Organ Damage and Hypertension, 1276

#### **Allicin**

The Effects of Allicin and Enalapril in Fructose-Induced Hyperinsulinemic Hyperlipidemic Hypertensive Rats, 377

#### **Alternative therapies**

Herbs and Alternative Therapies in the Hypertension Clinic, 971

#### **Ambulatory blood pressure**

Arterial Distensibility and Ambulatory Blood Pressure Monitoring in Young Patients With Neurofibromatosis Type 1, 559

Association Between Albumin:Creatinine Ratio and 24-Hour Ambulatory Blood Pressure in Essential Hypertension, 338

Comparison of Candesartan Versus Enalapril in Essential Hypertension, 129

Device-Guided Breathing Exercises Reduce Blood Pressure: Ambulatory and Home Measurements, 74

Dipping Is Superior to Cusums Analysis in Assessment of the Risk of Stroke in a Case-Control Study, 649

Effect of Combination Hormone Replacement Therapy on Ambulatory Blood Pressure and Arterial Stiffness in Diabetic Postmenopausal Women, 699

Evaluation of the 24-Hour Blood Pressure Effects of Eprosartan in Patients With Systemic Hypertension, 1248

Evaluation of White Coat Hypertension in Children:

Importance of the Definitions of Normal Ambulatory Blood Pressure and the Severity of Casual Hypertension, 855

Gender and Age Effects on the Ambulatory Blood Pressure and Heart Rate Responses to Antihypertensive Therapy, 1239

Impact of Smoking Cessation on Ambulatory Blood Pressure and Heart Rate in Postmenopausal Women, 942

Is Resistant Hypertension Really Resistant?, 1263

Plasma Leptin Concentration, Insulin Sensitivity, and 24-Hour Ambulatory Blood Pressure and Left Ventricular Geometry, 114

Pulse Pressure in Normotensives: A Marker of Cardiovascular Disease, 195

Rate of Complications of 24-Hour Ambulatory Blood Pressure Monitoring (ABPM) Is Low (letter), 487

Relationship Between 24-Hour Blood Pressure and Sleep Disordered Breathing in a Normotensive Community Sample, 743

Sleep Effects on Ambulatory Blood Pressure Measurements in Pregnant Women, 38

**American Indians**

Hypertension Treatment Patterns in American Indians: The Strong Heart Study, 950

**Amlodipine**

Amlodipine and Long-Term Renoprotection in Hypertensive Patients With Renal Dysfunction (letter), 601

Effect of Indomethacin on Blood Pressure in Elderly People With Essential Hypertension Well Controlled on Amlodipine or Enalapril (letter), 835

Effects of Amlodipine on Baroreflex and Sympathetic Nervous System Activity in Mild-to-Moderate Hypertension, 424

Effects of dihydropyridine and Phenylalkylamine Calcium Antagonist Classes on Autonomic Function in Hypertension: The VAMPHYRE Study, 1083

**Angiogenesis**

Coronary Microvasculature Alteration in Hypertensive Rats. Effect of Treatment With a Diuretic and an ACE Inhibitor, 7

**Angiotensin converting enzyme**

Role of Angiotensin Converting Enzyme Genotype in Sodium Sensitivity in Older Hypertensives, 1178

**Angiotensin-converting enzyme inhibitors. See also specific drug**

Abstract, Closing Summary, and Table of Contents for Laragh's 25 Lessons in Pathophysiology and 12 Clinical Pearls for Treating Hypertension, 1173

ACE Inhibitors, Beta-Blockers, Calcium Blockers, and Diuretics for the Control of Hypertension, 241

Amlodipine and Long-Term Renoprotection in Hypertensive Patients With Renal Dysfunction (letter), 601

Angiotensin-Converting Enzyme Inhibition to Enhance Vascular Health—Clinical and Research Models, 264S

Antihypertensive Treatment of Patients With Diabetes and Hypertension, 310S

Beyond the Sphygmomanometric Numbers: Hypertension as a Syndrome, 250S

Blood Pressure and Angiotensin Converting Enzyme Inhibitor Use in Hypertensive Patients With Chronic Renal Insufficiency, 1219

Changes in the Pharmacologic Treatment of Hypertension in the Department of Veterans Affairs 1997–1999: Decreased Use of Calcium Antagonists and Increased Use of  $\beta$ -Blockers and Thiazide Diuretics, 957

Converting Enzyme Inhibition With Captopril Abolishes Sympathoexcitation to Euglycemic Hyperinsulinemia in Rats, 592

Coronary Microvasculature Alteration in Hypertensive Rats. Effect of Treatment With a Diuretic and an ACE Inhibitor, 7

Diabetes and Hypertension: How Low Should You Go and With Which Drugs?, 17S

Differential Effects of ACE-Inhibition and Angiotensin

II Antagonism on Fibrinolysis and Insulin Sensitivity on Hypertensive Postmenopausal Women, 921

Does the Antihypertensive Response to Angiotensin Converting Enzyme Inhibition Predict the Antihypertensive Response to Angiotensin Receptor Antagonism?, 688

Effect of ACE/NEP Inhibition on Cardiac and Vascular Collagen in Stroke-Prone Spontaneously Hypertensive Rats, 1067

Effects of ACE Inhibitor Therapy on Derived Central Arterial Waveforms in Hypertension, 804

Effects of Quinapril on Expression of eNOS, ACE, and AT1 Receptor in Deoxycorticosterone Acetate-Salt Hypertensive Rats, 321

Familial Factors in the Antihypertensive Response to Lisinopril, 218

Losartan Versus Enalapril on Cerebral Edema and Proteinuria in Stroke-Prone Hypertensive Rats, 54

Low-Dose  $\alpha/\beta$  Blockade in the Treatment of Essential Hypertension, 553

Low-Dose Combination Therapy: The Rationalization for an ACE Inhibitor and a Calcium Channel Blocker in Higher Risk Patients, 8S

Ongoing Trials of Angiotensin-Converting Enzyme Inhibition: What They Can Tell Us, 270S

Outcome Survey in Unselected Hypertensive Patients With Type 2 Diabetes Mellitus: Effects of ACE Inhibition, 672

Pilot Study to Evaluate a Water Displacement Technique to Compare Effects of Diuretics and ACE Inhibitors to Alleviate Lower Extremity Edema Due to Dihydropyridine Calcium Antagonists, 963

Rationalizing the Treatment of Hypertension, 3S

Valsartan Alone or With a Diuretic or ACE Inhibitor as Treatment for African American Hypertensives: Relation to Salt Intake, 665

Weight Reduction and Pharmacologic Treatment in Obese Hypertensives, 530

**Angiotensin II**

CoenzymeA Glutathione Disulfide Is a Potent Modulator of Angiotensin II-Induced Vasoconstriction, 164

Development and Application of a Biological Peptide Pump for the Study of the In Vivo Actions of Angiotensin Peptides, 38S

Differential Effects of ACE-Inhibition and Angiotensin II Antagonism on Fibrinolysis and Insulin Sensitivity on Hypertensive Postmenopausal Women, 921

Effects of Quinapril on Expression of eNOS, ACE, and AT1 Receptor in Deoxycorticosterone Acetate-Salt Hypertensive Rats, 321

Hormone Replacement Therapy Increases Plasma Level of Angiotensin II in Postmenopausal Hypertensive Women, 206

Interaction Between Sodium Intake, Angiotensin II, and

- Blood Pressure as a Cause of Cardiac Hypertrophy, 914
- Modulating Angiotensin II-Induced Inflammation By HMG-CoA Reductase Inhibition, 55S
- Sympathetic Nervous System and Long-Term Blood Pressure Regulation, 147S
- Angiotensin II antagonists**
- Angiotensin II Antagonists for Hypertension: There Are Differences in Efficacy (letter), 394
- Left Ventricular Hypertrophy and Angiotensin II Antagonists, 174
- Angiotensin II receptor blockers**
- Efficacy of Candesartan Cilexetil as Add-On Therapy in Hypertensive Patients Uncontrolled on Background Therapy: A Clinical Experience Trial, 567
- Evaluation of the 24-Hour Blood Pressure Effects of Eprosartan in Patients With Systemic Hypertension, 1248
- Losartan Versus Enalapril on Cerebral Edema and Proteinuria in Stroke-Prone Hypertensive Rats, 54
- Angiotensinogen**
- Study of the Temporal Relationship Between Plasma High Molecular Weight Angiotensinogen and the Development of Pregnancy-Induced Hypertension, 794
- Angiotensin receptor blockers**
- Issues in Hypertension: Drug Tolerability and Special Populations, 231S
- Pharmacology and Clinical Efficacy of Angiotensin Receptor Blockers, 242S
- Renal Implications of Angiotensin Receptor Blockers, 237S
- Angiotensin type 1 receptor gene**
- Does the Antihypertensive Response to Angiotensin Converting Enzyme Inhibition Predict the Antihypertensive Response to Angiotensin Receptor Antagonism?, 688
- Angiotensin type 2 receptor**
- Angiotensin II AT<sub>1</sub> Receptor Gene Polymorphism and Microalbuminuria in Essential Hypertension, 364
- Role of the Angiotensin AT<sub>2</sub> Receptor in Blood Pressure Regulation and Therapeutic Implications, 98S
- Antihypertensive drugs. See also specific drug**
- Antihypertensive Therapy in Diabetic Hypertensive Patients, 12S
- Antihypertensive Treatment of Patients With Diabetes and Hypertension, 310S
- Does the Antihypertensive Response to Angiotensin Converting Enzyme Inhibition Predict the Antihypertensive Response to Angiotensin Receptor Antagonism?, 688
- Effect of Sildenafil in Patients With Erectile Dysfunction Taking Antihypertensive Therapy, 70
- Effects of Drug Therapy on Cardiac Arrhythmias and Ischemia in Hypertensives With LVH, 637
- Gender and Age Effects on the Ambulatory Blood Pressure and Heart Rate Responses to Antihypertensive Therapy, 1239
- Issues in Hypertension: Drug Tolerability and Special Populations, 231S
- Laragh's Lessons in Pathophysiology and Clinical Pearls for Treating Hypertension, 491
- Rapid Adjustment of Antihypertensive Drugs Produces a Durable Improvement in Blood Pressure, 345
- Rationalizing the Treatment of Hypertension, 3S
- Recent Onset Severe Hypertension Requiring Multiple Antihypertensive Medications, 1073
- Screening for Eligibility in the Study of Antihypertensive Medication in Children: Experience From the Ziac Pediatric Hypertension Study, 783
- Systematic Review of Predictors of Maintenance of Normotension After Withdrawal of Antihypertensive Drugs, 98
- Use of Antihypertensive Therapy (letter), 600
- Vasodilatory Edema: A Common Side Effect of Antihypertensive Therapy (editorial), 978
- Antiphospholipid syndrome**
- Hypertension Due to Renal Artery Occlusion in a Patient With Antiphospholipid Syndrome, 62
- Anxiety**
- Blood pressure and Symptoms of Depression and Anxiety: A Prospective Study, 660
- Aorta**
- Aortic Smooth Muscle Cell Proliferation and Endothelial Nitric Oxide Synthase Activity in Fructose-Fed Rats, 1135
- Endothelin Gene Variants and Aortic and Cardiac Structure in Never-Treated Hypertensives, 755
- Aortic dissection**
- Aortic Dissection in a Hypertensive Patient, 393
- Aortic pulse wave velocity**
- Arterial Distensibility and Ambulatory Blood Pressure Monitoring in Young Patients With Neurofibromatosis Type 1, 559
- Measurement Variation of Aortic Pulse Wave Velocity in the Elderly, 463
- Pulse Pressure and Aortic Pulse Wave Velocity Are Markers of Cardiovascular Risk in Hypertensive Populations, 91
- Arachidonic acid**
- Abnormal Pressure-Natriuresis in Hypertension: Role of Cytochrome P450 Metabolites of Arachidonic Acid, 90S
- Increased Membrane Sphingomyelin and Arachidonic Acid in Stroke-Prone Spontaneously Hypertensive Rats, 1149
- Inhibitors of Arachidonic Acid Metabolism Have Variable Effects on Calcium Signaling Pathways, 248
- L-Arginine**
- Inhibition of Nitric Oxide by Arginine Analogs in Human Renal Arteries, 1142



**Arrhythmias**

Effects of Drug Therapy on Cardiac Arrhythmias and Ischemia in Hypertensives With LVH, 637

**Arterial compliance**

Arterial Compliance Abnormalities in Isolated Systolic Hypertension, 1007

Arterial Compliance to Stratify Cardiovascular Risk: More Precision in Therapeutic Decision Making, 258S

Blood Pressure and Arterial Compliance in Young Adults: The Minnesota Children's Blood Pressure Study, 200

Treatment With Atorvastatin Improves Small Artery Compliance in Patients With Severe Hypercholesterolemia, 1096

**Arterial stiffness**

Correction of Carotid Augmentation Index for Heart Rate in Elderly Essential Hypertensives, 573

Effect of Combination Hormone Replacement Therapy on Ambulatory Blood Pressure and Arterial Stiffness in Diabetic Postmenopausal Women, 699

Measurement Variation of Aortic Pulse Wave Velocity in the Elderly, 463

**Arterial waveforms**

Effects of ACE Inhibitor Therapy on Derived Central Arterial Waveforms in Hypertension, 804

**Arteries. See also specific artery**

Measurement of Arterial Properties in Hypertension, 183

**Arterioles**

Morphology of Renal Afferent Arterioles and Glomeruli, Heart Weight, and Blood Pressure in Primates, 331

**Ascending aorta**

Pulsatility of Ascending Aortic Blood Pressure Waveform Is Associated With an Increased Risk of Coronary Heart Disease, 469

**Atheroembolization**

Treatment of Atheroembolization With Corticosteroids, 831

**Atherosclerosis**

Carotid Atherosclerosis in a Hypertensive Patient, 474

Different Patterns of Silent Cerebral Infarct in Patients With Coronary Artery Disease or Hypertension, 509

**Atorvastatin**

Treatment With Atorvastatin Improves Small Artery Compliance in Patients With Severe Hypercholesterolemia, 1096

**Autoantibodies**

Autoantibodies to Oxidized Low-Density Lipoprotein in Coronary Artery Disease, 149

Nervous System Activity in Mild-to-Moderate Hypertension, 424

Effects of dihydropyridine and Phenylalkylamine Calcium Antagonist Classes on Autonomic Function in Hypertension: The VAMPHYRE Study, 1083

**Benidipine**

Effects of Short- and Long-Acting Calcium Channel Blockers on the Relationship Between Blood Pressure and Physical Activity, 66

**Beraprost sodium**

Enhanced Neutrophil Superoxide Anion Production and Its Modification by Beraprost Sodium in Spontaneously Hypertensive Rats, 722

**Beta-blockers**

Abstract, Closing Summary, and Table of Contents for Laragh's 25 Lessons in Pathophysiology and 12 Clinical Pearls for Treating Hypertension, 1173

ACE Inhibitors, Beta-Blockers, Calcium Blockers, and Diuretics for the Control of Hypertension, 241

Antihypertensive Effect of  $\alpha$ - and  $\beta$ -Adrenergic Blockade in Obese and Lean Hypertensive Subjects, 695

Changes in the Pharmacologic Treatment of Hypertension in the Department of Veterans Affairs 1997–1999: Decreased Use of Calcium Antagonists and Increased Use of  $\beta$ -Blockers and Thiazide Diuretics, 957

Issues in Hypertension: Drug Tolerability and Special Populations, 231S

Low-Dose  $\alpha/\beta$  Blockade in the Treatment of Essential Hypertension, 553

**Blood flow**

Does Leptin Cause Functional Peripheral Sympatholysis?, 615

**Blood pressure. See also Ambulatory blood pressure; Systolic blood pressure**

Antihypertensive Effect of  $\alpha$ - and  $\beta$ -Adrenergic Blockade in Obese and Lean Hypertensive Subjects, 695

Arterial Distensibility and Ambulatory Blood Pressure Monitoring in Young Patients With Neurofibromatosis Type 1, 559

Blood Pressure and Angiotensin Converting Enzyme Inhibitor Use in Hypertensive Patients With Chronic Renal Insufficiency, 1219

Blood Pressure and Arterial Compliance in Young Adults: The Minnesota Children's Blood Pressure Study, 200

Blood pressure and Symptoms of Depression and Anxiety: A Prospective Study, 660

Blood Viscosity and Blood Pressure: Role of Temperature and Hyperglycemia, 433

Blunted Nighttime Blood Pressure Dipping in Postmenopausal Women, 749

Clinical Overview of Hypertension and Emerging Treatment Considerations, 226S

Combined Effects of Endothelial Nitric Oxide Synthase

**B****Baroreflex**

Altered Mayer Wave and Baroreflex Profiles in High Spinal Cord Injury, 141

Effects of Amlodipine on Baroreflex and Sympathetic

- Gene Polymorphism (G894T) and Insulin Resistance Status on Blood Pressure and Familial Risk of Hypertension in Young Adults: The Bogalusa Heart Study, 1046
- Comparison of Arterial Blood Pressure in Different Strains of Mice, 405
- Device-Guided Breathing Exercises Reduce Blood Pressure: Ambulatory and Home Measurements, 74
- Dipping Is Superior to Cusums Analysis in Assessment of the Risk of Stroke in a Case-Control Study, 649
- Distribution of Blood Pressure and Hypertension in Canada and the United States, 1099
- Effect of Indomethacin on Blood Pressure in Elderly People With Essential Hypertension Well Controlled on Amlodipine or Enalapril (letter), 835
- Effects of Short- and Long-Acting Calcium Channel Blockers on the Relationship Between Blood Pressure and Physical Activity, 66
- Endothelial Dysfunction in Resistance Arteries Is Related to High Blood Pressure and Circulating Low Density Lipoproteins in Previously Treated Hypertension, 861
- Evaluation of the Placebo Effect and the Reproducibility of Blood Pressure Measurement in Hypertension, 546
- Hyperinsulinemia Superimposed on Insulin Resistance Does Not Elevate Blood Pressure, 429
- Influence of Short-Time Application of a Low Sodium Diet on Blood Pressure in Patients With Hyperthyroidism or Hypothyroidism During Therapy, 995
- Interaction Between Sodium Intake, Angiotensin II, and Blood Pressure as a Cause of Cardiac Hypertrophy, 914
- Inverse Association of *Chlamydia pneumoniae* Infection With High Blood Pressure in Japanese Adults, 20
- I<sub>1</sub> Receptors, Cardiovascular Function, and Metabolism, 317S
- Leptin and Norepinephrine Plasma Concentrations During Glucose Loading in Normotensive and Hypertensive Obese Woman, 619
- Measurement of Blood Pressure in Children (editorial), 976
- Morphology of Renal Afferent Arterioles and Glomeruli, Heart Weight, and Blood Pressure in Primates, 331
- New Chronotherapeutic Oral Drug Absorption System for Verapamil Optimizes Blood Pressure Control in the Morning, 14
- Obesity, Leptin and Blood Pressure Among Children in Taiwan: The Taipei Children's Heart Study, 135
- Pressor Response to Acute Hyperlipidemia Is Enhanced in Lean Normotensive Offspring of Hypertensive Patients, 1032
- Prevalence of Hypertension in Junior High School-Aged Children: Effect of New Recommendations in the 1996 Updated Task Force Report, 412
- Pulsatility of Ascending Aortic Blood Pressure Waveform Is Associated With an Increased Risk of Coronary Heart Disease, 469
- Rapid Adjustment of Antihypertensive Drugs Produces a Durable Improvement in Blood Pressure, 345
- Rationalizing the Treatment of Hypertension, 3S
- Reference Values for Clinic Pulse Pressure in a Nonselected Population, 415
- Relationship Between 24-Hour Blood Pressure and Sleep Disordered Breathing in a Normotensive Community Sample, 743
- Role of the Angiotensin AT<sub>2</sub> Receptor in Blood Pressure Regulation and Therapeutic Implications, 98S
- Sleep Quality and Blood Pressure Dipping in Obstructive Sleep Apnea, 887
- Sympathetic Nervous System and Long-Term Blood Pressure Regulation, 147S
- Weight Reduction and Pharmacologic Treatment in Obese Hypertensives, 530
- Blood vessels. See also Arteries**
- Gene Transfer to Blood Vessels: A Research Tool and Potential Therapy, 28S
- Blood viscosity**
- Blood Viscosity and Blood Pressure: Role of Temperature and Hyperglycemia, 433
- Bone mineral density**
- Bone Mineral Density in Women With Essential Hypertension, 704
- Bosentan**
- Long-Term Endothelin Receptor Blockade Improves Cardiovascular Function in Diabetes, 679
- Bradykinin**
- Coronary Vasodilator Responses to Bradykinin in Euglycemic and Diabetic Rats, 446
- Nitric Oxide Does Not Participate in the Metabolic Effects of Exogenous Bradykinin in Fructose-Fed Rats, 3
- Breathing**
- Device-Guided Breathing Exercises Reduce Blood Pressure: Ambulatory and Home Measurements, 74
- Relationship Between 24-Hour Blood Pressure and Sleep Disordered Breathing in a Normotensive Community Sample, 743
- Brush-border membranes**
- Abnormalities in Lipid Composition of Brush-Border Membranes Isolated From Renal Cortex of Spontaneously Hypertensive Rats, 578
- C**
- Calcium**
- Alterations in Calcium and Magnesium Content of Red Cell Membranes in Patients With Primary Hypertension, 254
- Are Low Intakes of Calcium and Potassium Important Causes of Cardiovascular Disease?, 206S

- Bone Mineral Density in Women With Essential Hypertension, 704
- Decreased Nitric Oxide Levels and Increased Calcium Content in Platelets of Hypertensive Patients, 382
- Effect of Testosterone on Intracellular  $Ca^{++}$  in Vascular Smooth Muscle Cells (letter), 1273
- Inhibitors of Arachidonic Acid Metabolism Have Variable Effects on Calcium Signaling Pathways, 248
- Systolic Blood Pressure Alterations During Hyperinsulinemia Are Related to Changes in Ionized Calcium Status, 1106
- Calcium channel blockers. See also specific drug**
- ACE Inhibitors, Beta-Blockers, Calcium Blockers, and Diuretics for the Control of Hypertension, 241
- Calcium Channel Blockers in Hypertension: Reappraisal After New Trials and Major Meta-Analyses, 1074
- Changes in the Pharmacologic Treatment of Hypertension in the Department of Veterans Affairs 1997-1999: Decreased Use of Calcium Antagonists and Increased Use of  $\beta$ -Blockers and Thiazide Diuretics, 957
- Comparison of Two Calcium Blockers on Hemodynamic, Left Ventricular Mass, and Coronary Vasodilatory in Advanced Hypertension, 231
- Effects of Dihydropyridine and Phenylalkylamine Calcium Antagonist Classes on Autonomic Function in Hypertension: The VAMPHYRE Study, 1083
- Effects of Short- and Long-Acting Calcium Channel Blockers on the Relationship Between Blood Pressure and Physical Activity, 66
- Gender and Age Effects on the Ambulatory Blood Pressure and Heart Rate Responses to Antihypertensive Therapy, 1239
- Issues in Hypertension: Drug Tolerability and Special Populations, 231S
- Low-Dose Combination Therapy: The Rationalization for an ACE Inhibitor and a Calcium Channel Blocker in Higher Risk Patients, 8S
- Pharmacology of Cardiovascular Chronotherapeutic Agents, 296S
- Pilot Study to Evaluate a Water Displacement Technique to Compare Effects of Diuretics and ACE Inhibitors to Alleviate Lower Extremity Edema Due to Dihydropyridine Calcium Antagonists, 963
- Rationalizing the Treatment of Hypertension, 3S
- Reduction of White Coat Effect by Cilnidipine in Essential Hypertension, 1053
- Calpain**
- Rapid Fusion of Granules With Neutrophil Cell Membranes in Hypertensive Patients May Increase Vascular Damage, 927
- Candesartan**
- Comparison of Candesartan Versus Enalapril in Essential Hypertension, 129
- Efficacy of Candesartan Cilexetil as Add-On Therapy in Hypertensive Patients Uncontrolled on Background Therapy: A Clinical Experience Trial, 567
- Pharmacology and Clinical Efficacy of Angiotensin Receptor Blockers, 242S
- Captopril**
- Comparison of Arterial Blood Pressure in Different Strains of Mice, 405
- Converting Enzyme Inhibition With Captopril Abolishes Sympathoexcitation to Euglycemic Hyperinsulinemia in Rats, 592
- Carbon monoxide**
- Vasoregulatory Function of the Heme-Heme Oxygenase-Carbon Monoxide System, 62S
- Cardiac hypertrophy**
- Interaction Between Sodium Intake, Angiotensin II, and Blood Pressure as a Cause of Cardiac Hypertrophy, 914
- Cardiovascular disease**
- Are Low Intakes of Calcium and Potassium Important Causes of Cardiovascular Disease?, 206S
- Cardiovascular Effects of Estrogen, 186S
- Clinical Overview of Hypertension and Emerging Treatment Considerations, 226S
- Insulin Resistance and Cardiovascular Disease, 116S
- Management of Hypertensive Patients With Multiple Cardiovascular Risk Factors, 221S
- Ongoing Trials of Angiotensin-Converting Enzyme Inhibition: What They Can Tell Us, 270S
- Role of Endothelin-1 in Hypertension and Vascular Disease, 83S
- Cardiovascular events**
- Cyclic and Circadian Variations in Cardiovascular Events, 291S
- Prognostic Value of Left Ventricular Mass and Its Evolution During Treatment in the Bordeaux Cohort of Hypertensive Patients, 524
- Pulse Pressure in Normotensives: A Marker of Cardiovascular Disease, 195
- Cardiovascular function**
- Long-Term Endothelin Receptor Blockade Improves Cardiovascular Function in Diabetes, 679
- Cardiovascular hypertrophy**
- Maximal Exercise Capacity Is Related to Cardiovascular Structure in Patients With Longstanding Hypertension. A LIFE Substudy, 1205
- Cardiovascular risk**
- Arterial Compliance to Stratify Cardiovascular Risk: More Precision in Therapeutic Decision Making, 258S
- Kidney Dysfunction: A Sensitive Predictor of Cardiovascular Risk, 213S
- Management of Hypertensive Patients With Multiple Cardiovascular Risk Factors, 221S
- New Approaches to Screening for Vascular and Cardiac Risk, 218S
- Pulse Pressure and Aortic Pulse Wave Velocity Are

- Markers of Cardiovascular Risk in Hypertensive Populations, 91
- Carotid amplification index**  
Pulse Pressure and Aortic Pulse Wave Velocity Are Markers of Cardiovascular Risk in Hypertensive Populations, 91
- Carotid arteries**  
Association of Specific HLA Phenotypes With Left Ventricular Mass and Carotid Intima-Media Thickness in Hypertensives, 632  
Carotid Atherosclerosis in a Hypertensive Patient, 474  
Effect of Parathyroid Hormone Levels on Carotid Intima-Media Thickness After Renal Transplantation, 1012  
Optimizing Assessment of Carotid and Femoral Intima-Media Thickness in Essential Hypertension, 1025
- Carotid augmentation index**  
Correction of Carotid Augmentation Index for Heart Rate in Elderly Essential Hypertensives, 573
- Carvedilol**  
Sexual Activity in Hypertensive Men Treated With Valsartan or Carvedilol: A Crossover Study, 27
- Cell adhesion molecules**  
Adhesion Molecules and Their Role in Vascular Disease, 44S
- Cell membranes**  
Alterations in Calcium and Magnesium Content of Red Cell Membranes in Patients With Primary Hypertension, 254  
Increased Membrane Sphingomyelin and Arachidonic Acid in Stroke-Prone Spontaneously Hypertensive Rats, 1149  
Rapid Fusion of Granules With Neutrophil Cell Membranes in Hypertensive Patients May Increase Vascular Damage, 927 •
- Central nervous system**  
Role of the Central Nervous System in NaCl-Sensitive Hypertension in Spontaneously Hypertensive Rats, 155S
- Cerebral edema**  
Losartan Versus Enalapril on Cerebral Edema and Proteinuria in Stroke-Prone Hypertensive Rats, 54
- Cerebral infarct**  
Different Patterns of Silent Cerebral Infarct in Patients With Coronary Artery Disease or Hypertension, 509  
Silent Cerebral Infarcts in Basal Ganglia Are Advanced in Congenital Protein C-Deficient Heterozygotes With Hypertension, 818
- Cerivastatin**  
Modulating Angiotensin II-Induced Inflammation by HMG-CoA Reductase Inhibition, 55S
- Chemotherapy**  
Hypertension and Chemotherapy: Shifting the Treatment Paradigm, 277S  
Pharmacology of Cardiovascular Chronotherapeutic Agents, 296S
- Children**  
Arterial Distensibility and Ambulatory Blood Pressure Monitoring in Young Patients With Neurofibromatosis Type 1, 559  
Blood Pressure and Arterial Compliance in Young Adults: The Minnesota Children's Blood Pressure Study, 200  
Evaluation of White Coat Hypertension in Children: Importance of the Definitions of Normal Ambulatory Blood Pressure and the Severity of Casual Hypertension, 855  
Family History of Hypertension and Left Ventricular Mass in Youth: Possible Mediating Parameters, 351  
Measurement of Blood Pressure in Children (editorial), 976  
New Onset Severe Hypertension in an Asymptomatic 6-Year-Old Girl, 1278  
Obesity, Leptin and Blood Pressure Among Children in Taiwan: The Taipei Children's Heart Study, 135  
Plasma Renin Activity and Insulin Resistance in African American and White Children: The Bogalusa Heart Study, 212  
Prevalence of Hypertension in Junior High School-Aged Children: Effect of New Recommendations in the 1996 Updated Task Force Report, 412  
Screening for Eligibility in the Study of Antihypertensive Medication in Children: Experience From the Ziac Pediatric Hypertension Study, 783
- Chlamydia pneumoniae***  
Inverse Association of *Chlamydia pneumoniae* Infection With High Blood Pressure in Japanese Adults, 20
- Cholesterol**  
Doxazosin Reduces Prevalence of Small Dense Low Density Lipoprotein and Remnant-Like Particle Cholesterol Levels in Nondiabetic and Diabetic Hypertensive Patients, 908
- Chronic renal insufficiency**  
Blood Pressure and Angiotensin Converting Enzyme Inhibitor Use in Hypertensive Patients With Chronic Renal Insufficiency, 1219
- Chronotherapeutics**  
Circadian Rhythms and Clinical Medicine With Applications to Hypertension, 280S  
Hypertension and Chemotherapy: Shifting the Treatment Paradigm, 277S
- Chronotherapy**  
Circadian Rhythms and Clinical Medicine With Applications to Hypertension, 280S  
Pharmacology of Cardiovascular Chronotherapeutic Agents, 296S
- Cilnidipine**  
Reduction of White Coat Effect By Cilnidipine in Essential Hypertension, 1053
- Circadian rhythms**  
Circadian Rhythms and Clinical Medicine With Applications to Hypertension, 280S



Cyclic and Circadian Variations in Cardiovascular Events, 291S

### Clonidine

I<sub>1</sub> Receptors, Cardiovascular Function, and Metabolism, 317S

### CoenzymeA glutathione disulfide

CoenzymeA Glutathione Disulfide Is a Potent Modulator of Angiotensin II-Induced Vasoconstriction, 164

### Combination therapy

Combination Therapy as the Initial Drug Treatment of Hypertension: When Is It Appropriate?, 293

Low-Dose Combination Therapy: An Important First-Line Treatment in the Management of Hypertension, 286

Low-Dose Combination Therapy: The Rationalization for an ACE Inhibitor and a Calcium Channel Blocker in Higher Risk Patients, 8S

Rationalizing the Treatment of Hypertension, 3S

### Computed tomography

Renal Macrostructure and Cortical Circulation in Hypertension Assessed by Dynamic Computed Tomography, 516

### Coronary arteries

Comparison of Two Calcium Blockers on Hemodynamic, Left Ventricular Mass, and Coronary Vasodilatory in Advanced Hypertension, 231

Coronary Microvasculature Alteration in Hypertensive Rats. Effect of Treatment With a Diuretic and an ACE Inhibitor, 7

Coronary Vasodilator Responses to Bradykinin in Euglycemic and Diabetic Rats, 446

Elevated Potassium Intake Inhibits Neointimal Proliferation in the Swine Coronary Artery, 879

Mechanical Strain Stimulates a Mitogenic Response in Coronary Vascular Smooth Muscle Cells Via Release of Fibroblast Growth Factor, 1128

### Coronary artery disease

Autoantibodies to Oxidized Low-Density Lipoprotein in Coronary Artery Disease, 149

Different Patterns of Silent Cerebral Infarct in Patients With Coronary Artery Disease or Hypertension, 509

Pulse Pressure in Normotensives: A Marker of Cardiovascular Disease, 195

### Coronary heart disease

Fibrosis and Ischemia: The Real Risks in Hypertensive Renal Disease, 194S

Pulsatility of Ascending Aortic Blood Pressure Waveform Is Associated With an Increased Risk of Coronary Heart Disease, 469

### Creatinine

Kidney Dysfunction: A Sensitive Predictor of Cardiovascular Risk, 213S

### -344C/T Polymorphism

-344C/T Polymorphism of CYP11B2 Gene in Italian Patients With Idiopathic Low Renin Hypertension, 934

### Cumulative sums (Cusums) analysis

Dipping Is Superior to Cusums Analysis in Assessment of the Risk of Stroke in a Case-Control Study, 649

### Cyclooxygenase

Inhibitors of Arachidonic Acid Metabolism Have Variable Effects on Calcium Signaling Pathways, 248

### Cytochrome P450

Abnormal Pressure-Natriuresis in Hypertension: Role of Cytochrome P450 Metabolites of Arachidonic Acid, 90S

## D

### Dahl rats

Role of Nitric Oxide and the Renin-Angiotensin System in Salt-Restricted Dahl Rats, 276

### Delayed graft function

Renin System Activation and Delayed Function of the Renal Transplant, 1270

### Deoxycortisone acetate-salt hypertension. See also Salt-sensitive hypertension

Decreased Influence of Nitric Oxide on Deoxycortisone Acetate-Salt Hypertension, 387

Effects of Quinapril on Expression of eNOS, ACE, and AT1 Receptor in Deoxycorticosterone Acetate-Salt Hypertensive Rats, 321

### Depression

Blood pressure and Symptoms of Depression and Anxiety: A Prospective Study, 660

### Diabetes mellitus

Antihypertensive Therapy in Diabetic Hypertensive Patients, 12S

Antihypertensive Treatment of Patients With Diabetes and Hypertension, 310S

Arterial Pressure Control at the Onset of Type 1 Diabetes: The Role of Nitric Oxide and the Renin-Angiotensin System, 126S

Coronary Vasodilator Responses to Bradykinin in Euglycemic and Diabetic Rats, 446

Diabetes and Hypertension: How Low Should You Go and With Which Drugs?, 17S

Doxazosin Reduces Prevalence of Small Dense Low Density Lipoprotein and Remnant-Like Particle Cholesterol Levels in Nondiabetic and Diabetic Hypertensive Patients, 908

Effect of Combination Hormone Replacement Therapy on Ambulatory Blood Pressure and Arterial Stiffness in Diabetic Postmenopausal Women, 699

Effect of Sodium Supplementation on Glucose Tolerance and Insulin Concentrations in Patients With Hypertension and Diabetes Mellitus, 653

Long-Term Endothelin Receptor Blockade Improves Cardiovascular Function in Diabetes, 679

Mechanisms of Diabetic Vasculopathy: An Overview, 475

Outcome Survey in Unselected Hypertensive Patients

- With Type 2 Diabetes Mellitus: Effects of ACE Inhibition, 672
- Sympathetic Nervous System and Insulin Resistance: From Obesity to Diabetes, 304S
- Diabetic nephropathy**
- Diabetic Nephropathy in African Americans, 132S
- Renal Implications of Angiotensin Receptor Blockers, 237S
- Diastolic blood pressure**
- Evaluation of the Placebo Effect and the Reproducibility of Blood Pressure Measurement in Hypertension, 546
- Diastolic function and dysfunction**
- Diastolic Dysfunction Precedes Myocardial Hypertrophy in the Development of Hypertension, 106
- Independent Association of Plasma Leptin Levels and Left Ventricular Isovolumic Relaxation in Uncomplicated Hypertension, 1019
- Left Ventricular Diastolic Function Predicts Outcome in Uncomplicated Hypertension, 504
- Microalbuminuria as a Marker of Preclinical Diastolic Dysfunction in Never-Treated Essential Hypertensives, 644
- Diet**
- Are Low Intakes of Calcium and Potassium Important Causes of Cardiovascular Disease?, 206S
- Influence of Short-Time Application of a Low Sodium Diet on Blood Pressure in Patients With Hyperthyroidism or Hypothyroidism During Therapy, 995
- Role of Angiotensin Converting Enzyme Genotype in Sodium Sensitivity in Older Hypertensives, 1178
- Dipping**
- Blunted Nighttime Blood Pressure Dipping in Postmenopausal Women, 749
- Dipping Is Superior to Cusums Analysis in Assessment of the Risk of Stroke in a Case-Control Study, 649
- Sleep Quality and Blood Pressure Dipping in Obstructive Sleep Apnea, 887
- Diuretics. See also specific diuretic**
- ACE Inhibitors, Beta-Blockers, Calcium Blockers, and Diuretics for the Control of Hypertension, 241
- Changes in the Pharmacologic Treatment of Hypertension in the Department of Veterans Affairs 1997-1999: Decreased Use of Calcium Antagonists and Increased Use of  $\beta$ -Blockers and Thiazide Diuretics, 957
- Coronary Microvasculature Alteration in Hypertensive Rats. Effect of Treatment With a Diuretic and an ACE Inhibitor, 7
- Direct Vascular Actions of Methyclothiazide in Remodeled Mesenteric Arteries From Hypertensive Patients, 989
- Efficacy and Safety of Omapatrilat With Hydrochlorothiazide for the Treatment of Hypertension in Subjects Nonresponsive to Hydrochlorothiazide Alone, 788
- Issues in Hypertension: Drug Tolerability and Special Populations, 231S
- Laragh's Lessons in Pathophysiology and Clinical Pearls for Treating Hypertension, 84
- Pilot Study to Evaluate a Water Displacement Technique to Compare Effects of Diuretics and ACE Inhibitors to Alleviate Lower Extremity Edema Due to Dihydropyridine Calcium Antagonists, 963
- Valsartan Alone or With a Diuretic or ACE Inhibitor as Treatment for African American Hypertensives: Relation to Salt Intake, 665
- Dosing**
- New Chronotherapeutic Oral Drug Absorption System for Verapamil Optimizes Blood Pressure Control in the Morning, 14
- Doxazosin**
- Doxazosin, an  $\alpha_1$ -Adrenergic Antihypertensive Agent, Decreases Serum Oxidized LDL, 267
- Doxazosin for the Management of Hypertension: Implications of the Findings of the ALLHAT Trial (letter), 1170
- Doxazosin Reduces Prevalence of Small Dense Low Density Lipoprotein and Remnant-Like Particle Cholesterol Levels in Nondiabetic and Diabetic Hypertensive Patients, 908
- Low-Dose  $\alpha/\beta$  Blockade in the Treatment of Essential Hypertension, 553
- E**
- Echocardiography**
- Diastolic Dysfunction Precedes Myocardial Hypertrophy in the Development of Hypertension, 106
- Relation of Echocardiographic Left Ventricular Mass and Hypertrophy to Persistent Electrocardiographic Left Ventricular Hypertrophy in Hypertensive Patients: The LIFE Study, 775
- Edema**
- Pilot Study to Evaluate a Water Displacement Technique to Compare Effects of Diuretics and ACE Inhibitors to Alleviate Lower Extremity Edema Due to Dihydropyridine Calcium Antagonists, 963
- Vasodilatory Edema: A Common Side Effect of Antihypertensive Therapy (editorial), 978
- Elderly**
- Association of Increased Pulse Pressure With the Development of Heart Failure in SHEP, 798
- Correction of Carotid Augmentation Index for Heart Rate in Elderly Essential Hypertensives, 573
- Effect of Indomethacin on Blood Pressure in Elderly People With Essential Hypertension Well Controlled on Amlodipine or Enalapril (letter), 835
- Measurement Variation of Aortic Pulse Wave Velocity in the Elderly, 463

- Ostial Renal Artery Stent Placement in Patients 75 Years or Older, 983
- Role of Angiotensin Converting Enzyme Genotype in Sodium Sensitivity in Older Hypertensives, 1178
- Electrocardiography**
- QT Intervals and QT Dispersion as Measures of Left Ventricular Hypertrophy in an Unselected Hypertensive Population, 455
- Relation of Echocardiographic Left Ventricular Mass and Hypertrophy to Persistent Electrocardiographic Left Ventricular Hypertrophy in Hypertensive Patients: The LIFE Study, 775
- Enalapril**
- Comparison of Candesartan Versus Enalapril in Essential Hypertension, 129
- Effect of Alicin and Enalapril in Fructose-Induced Hyperinsulinemic Hyperlipidemic Hypertensive Rats, 377
- Effect of Indomethacin on Blood Pressure in Elderly People With Essential Hypertension Well Controlled on Amlodipine or Enalapril (letter), 835
- Losartan Versus Enalapril on Cerebral Edema and Proteinuria in Stroke-Prone Hypertensive Rats, 54
- Endothelial cells**
- Adhesion Molecules and Their Role in Vascular Disease, 44S
- Effects of Phytoestrogens on DNA Synthesis and Creatine Kinase Activity in Vascular Cells, 1256
- Preeclamptic Serum Enhances Endothelin-Converting Enzyme Expression in Cultured Endothelial Cells, 77
- Endothelin-1**
- Endothelin Gene Variants and Aortic and Cardiac Structure in Never-Treated Hypertensives, 755
- Hypotensive Effect of Endothelin-1 in Nitric Oxide-Deprived, Hypertensive Pregnant Rats, 585
- Long-Term Endothelin Receptor Blockade Improves Cardiovascular Function in Diabetes, 679
- Preeclamptic Serum Enhances Endothelin-Converting Enzyme Expression in Cultured Endothelial Cells, 77
- Role of Endothelin-1 in Hypertension and Vascular Disease, 83S
- Urinary Adrenomedullin Is Related to ET-1 and Salt Intake in Patients With Mild Essential Hypertension, 224
- Urinary Excretion of Vasoactive Factors Are Correlated to Sodium Excretion, 1003
- Endothelin-converting enzyme**
- Preeclamptic Serum Enhances Endothelin-Converting Enzyme Expression in Cultured Endothelial Cells, 77
- Endothelium**
- Angiotensin-Converting Enzyme Inhibition to Enhance Vascular Health—Clinical and Research Models, 264S
- Cross-Sectional, Diurnal, and Follow-Up Study of Platelet Activation and Endothelial Dysfunction in Malignant Phase Hypertension, 823
- Effect of Obesity on Endothelium-Dependent, Nitric Oxide-Mediated Vasodilation in Normotensive Individuals and Patients With Essential Hypertension, 1038
- Endothelial Dysfunction in Resistance Arteries Is Related to High Blood Pressure and Circulating Low Density Lipoproteins in Previously Treated Hypertension, 861
- Pathophysiology of Pregnancy-Induced Hypertension, 178S
- Pilot Study of Homocyst(e)ine Levels in Essential Hypertension: Relationship to von Willebrand Factor, an Index of Endothelial Damage, 627
- End-stage renal disease**
- Diabetic Nephropathy in African Americans, 132S
- End-tidal CO<sub>2</sub>**
- Racial Differences in Resting End-Tidal CO<sub>2</sub> and Circulating Sodium Pump Inhibitor, 761
- Epinephrine**
- Biphasic Effect of Epinephrine on Blood Glucose During Hyperinsulinemia in Borderline Hypertensive Young Men, 539
- Eprosartan**
- Evaluation of the 24-Hour Blood Pressure Effects of Eprosartan in Patients With Systemic Hypertension, 1248
- Issues in Hypertension: Drug Tolerability and Special Populations, 231S
- Pharmacology and Clinical Efficacy of Angiotensin Receptor Blockers, 242S
- Erectile dysfunction**
- Effect of Sildenafil in Patients With Erectile Dysfunction Taking Antihypertensive Therapy, 70
- Erythrocytes**
- Hyperinsulinemia Is a Determinant of Membrane Fluidity of Erythrocytes in Essential Hypertension, 419
- E-selectin**
- Soluble E-Selectin in Essential Hypertension: A Correlate of Vascular Structural Changes, 259
- Vascular Cell Adhesion Molecule-1 as a Biochemical Marker of Left Ventricular Mass in the Patients With Hypertension, 869
- Essential hypertension**
- Angiotensin II AT1 Receptor Gene Polymorphism and Microalbuminuria in Essential Hypertension, 364
- Association Between Albumin:Creatinine Ratio and 24-Hour Ambulatory Blood Pressure in Essential Hypertension, 338
- Bone Mineral Density in Women With Essential Hypertension, 704
- Comparison of Candesartan Versus Enalapril in Essential Hypertension, 129
- Decreased Nitric Oxide Levels and Increased Calcium Content in Platelets of Hypertensive Patients, 382

- Effect of Indomethacin on Blood Pressure in Elderly People With Essential Hypertension Well Controlled on Amlodipine or Enalapril (letter), 835
- Effect of Obesity on Endothelium-Dependent, Nitric Oxide-Mediated Vasodilation in Normotensive Individuals and Patients With Essential Hypertension, 1038
- Endogenous Ouabain and Hemodynamic and Left Ventricular Geometric Patterns in Essential Hypertension, 44
- The Glycine Allele of a Glycine/Arginine Polymorphism in the  $\beta_2$ -Adrenergic Receptor Gene Is Associated With Essential Hypertension in a Population of Chinese Origin, 1196
- Hyperinsulinemia Is a Determinant of Membrane Fluidity of Erythrocytes in Essential Hypertension, 419
- Low-Dose  $\alpha/\beta$  Blockade in the Treatment of Essential Hypertension, 553
- Microalbuminuria as a Marker of Preclinical Diastolic Dysfunction in Never-Treated Essential Hypertensives, 644
- Optimizing Assessment of Carotid and Femoral Intima-Media Thickness in Essential Hypertension, 1025
- Pilot Study of Homocyst(e)ine Levels in Essential Hypertension: Relationship to von Willebrand Factor, an Index of Endothelial Damage, 627
- Polymorphism of the Promoter Region of Prostacyclin Synthase Gene Is Not Related to Essential Hypertension, 409
- Rapid Fusion of Granules With Neutrophil Cell Membranes in Hypertensive Patients May Increase Vascular Damage, 927
- Reduction of White Coat Effect by Cilnidipine in Essential Hypertension, 1053
- Soluble E-Selectin in Essential Hypertension: A Correlate of Vascular Structural Changes, 259
- Sympathetic Neurobiology of Essential Hypertension: Disparate Influences of Obesity, Stress, and Noradrenaline Transport Dysfunction?, 139S
- Urinary Adrenomedullin Is Related to ET-1 and Salt Intake in Patients With Mild Essential Hypertension, 224
- Estrogen**
- Cardiovascular Effects of Estrogen, 186S
- Exercise. See also Physical activity**
- Voluntary Running Improves Glucose Tolerance and Insulin Resistance in Female Spontaneously Hypertensive Rats, 708
- Exercise capacity**
- Maximal Exercise Capacity Is Related to Cardiovascular Structure in Patients With Longstanding Hypertension. A LIFE Substudy, 1205
- Experimental studies**
- Comparison of Arterial Blood Pressure in Different Strains of Mice, 405
- Coronary Microvasculature Alteration in Hypertensive Rats. Effect of Treatment With a Diuretic and an ACE Inhibitor, 7
- Effect of Allicin and Enalapril in Fructose-Induced Hyperinsulinemic Hyperlipidemic Hypertensive Rats, 377
- Effect of Salt Loading on Nitric Oxide Synthase Expression in Normotensive Rats, 155
- Effects of Quinapril on Expression of eNOS, ACE, and AT1 Receptor in Deoxycorticosterone Acetate-Salt Hypertensive Rats, 321
- Lead-Induced Hypertension. III. Increased Hydroxyl Radical Production, 169
- Long-Term Fructose Feeding Impairs Vascular Relaxation in Rat Mesenteric Arteries, 811
- Losartan Versus Enalapril on Cerebral Edema and Proteinuria in Stroke-Prone Hypertensive Rats, 54
- Morphology of Renal Afferent Arterioles and Glomeruli, Heart Weight, and Blood Pressure in Primates, 331
- Nitric Oxide Does Not Participate in the Metabolic Effects of Exogenous Bradykinin in Fructose-Fed Rats, 3
- Role of Nitric Oxide and the Renin-Angiotensin System in Salt-Restricted Dahl Rats, 276
- F**
- Familial combined hyperlipidemia**
- Association Between the  $\alpha$ -Adducin Gly460Trp Polymorphism and Systolic Blood Pressure in Familial Combined Hyperlipidemia, 1185
- Familial Dyslipidemic Hypertension Syndrome: Familial Combined Hyperlipidemia, and the Role of Abdominal Fat Mass, 357
- Familial hypertension**
- Effect of Familial Hypertension on Glomerular Hemodynamics and Tubulo-Glomerular Feedback After Uninephrectomy, 121
- Family history. See also Genetics**
- Combined Effects of Endothelial Nitric Oxide Synthase Gene Polymorphism (G894T) and Insulin Resistance Status on Blood Pressure and Familial Risk of Hypertension in Young Adults: The Bogalusa Heart Study, 1046
- Effect of Familial Hypertension on Glomerular Hemodynamics and Tubulo-Glomerular Feedback After Uninephrectomy, 121
- Familial Factors in the Antihypertensive Response to Lisinopril, 218
- Family History of Hypertension and Left Ventricular Mass in Youth: Possible Mediating Parameters, 351
- Pressor Response to Acute Hyperlipidemia Is Enhanced in Lean Normotensive Offspring of Hypertensive Patients, 1032
- Sibling Correlation of Left Ventricular Mass and Geometry in Hypertensive African Americans and Whites: The HyperGEN Study, 1226



**Fasting**

- Rapid Hypotensive Response to Fasting in Spontaneously Hypertensive Rats, 1123

**Fatty acids**

- Insulin Resistance and Cardiovascular Disease, 116S

**Fibroblast growth factor**

- Mechanical Strain Stimulates a Mitogenic Response in Coronary Vascular Smooth Muscle Cells Via Release of Fibroblast Growth Factor, 1128

**Functional sympatholysis**

- Does Leptin Cause Functional Peripheral Sympatholysis?, 615

**G****Gender. See also Men; Women**

- Gender and Age Effects on the Ambulatory Blood Pressure and Heart Rate Responses to Antihypertensive Therapy, 1239
- Role of Gender on Renal Interstitial Hydrostatic Pressure and Sodium Excretion in Rats, 893

**Gene therapy**

- Gene Transfer to Blood Vessels: A Research Tool and Potential Therapy, 28S

**Genetics. See also Family history**

- Association of  $\beta_2$ -Adrenoceptor Gln27Glu Variant With Body Weight But Not Hypertension, 1201
- Familial Factors in the Antihypertensive Response to Lisinopril, 218
- Family History of Hypertension and Left Ventricular Mass in Youth: Possible Mediating Parameters, 351
- Genetic Manipulation of the Renin-Angiotensin System: Targeted Expression of the Renin-Angiotensin System in the Kidney, 33S
- G Protein  $\beta_3$  Subunit Gene 825T Allele Is Associated With Increased Left Ventricular Mass in Young Subjects With Hypertension, 1191

**Glomerular pressure**

- Effect of Familial Hypertension on Glomerular Hemodynamics and Tubulo-Glomerular Feedback After Uninephrectomy, 121

**Glomerulus**

- Morphology of Renal Afferent Arterioles and Glomeruli, Heart Weight, and Blood Pressure in Primates, 331

**Glucose**

- Biphasic Effect of Epinephrine on Blood Glucose During Hyperinsulinemia in Borderline Hypertensive Young Men, 539
- Leptin and Norepinephrine Plasma Concentrations During Glucose Loading in Normotensive and Hypertensive Obese Woman, 619
- Nitric Oxide Does Not Participate in the Metabolic Effects of Exogenous Bradykinin in Fructose-Fed Rats, 3
- Glucose tolerance**
  - Effect of Sodium Supplementation on Glucose Tolerance

- and Insulin Concentrations in Patients With Hypertension and Diabetes Mellitus, 653
- Voluntary Running Improves Glucose Tolerance and Insulin Resistance in Female Spontaneously Hypertensive Rats, 708

**G protein**

- G Protein  $\beta_3$  Subunit Gene 825T Allele Is Associated With Increased Left Ventricular Mass in Young Subjects With Hypertension, 1191

**H****Heart. See also Cardiovascular disease**

- Aldosterone Esters and the Heart, 200S
- Hypertensive Heart Disease in a Patient Admitted to Hospital With Dyspnea, Chest Pain, and Severe Hypertension, 969

**Heart failure**

- Association of Increased Pulse Pressure With the Development of Heart Failure in SHEP, 798

**Heart rate**

- Cardiovascular Effects of Transdermal Nicotine in Mildly Hypertensive Smokers, 610
- Correction of Carotid Augmentation Index for Heart Rate in Elderly Essential Hypertensives, 573
- Gender and Age Effects on the Ambulatory Blood Pressure and Heart Rate Responses to Antihypertensive Therapy, 1239
- Impact of Smoking Cessation on Ambulatory Blood Pressure and Heart Rate in Postmenopausal Women, 942

**Heme oxygenase**

- Vasoregulatory Function of the Heme-Heme Oxygenase-Carbon Monoxide System, 62S

**Hemodynamics**

- Comparison of Two Calcium Blockers on Hemodynamic, Left Ventricular Mass, and Coronary Vasodilatory in Advanced Hypertension, 231
- Effect of Familial Hypertension on Glomerular Hemodynamics and Tubulo-Glomerular Feedback After Uninephrectomy, 121
- Endogenous Ouabain and Hemodynamic and Left Ventricular Geometric Patterns in Essential Hypertension, 44
- Hemodynamic Responses to Obstructive Respiratory Events During Sleep Are Augmented in Women With Preeclampsia, 1090
- Nitric Oxide in the Control of Renal Hemodynamics and Excretory Function, 74S

**Herbs**

- Herbs and Alternative Therapies in the Hypertension Clinic, 971

**HLA antigens**

- Association of Specific HLA Phenotypes With Left Ventricular Mass and Carotid Intima-Media Thickness in Hypertensives, 632

**HMG-CoA reductase inhibitors**

Modulating Angiotensin II-Induced Inflammation By  
HMG-CoA Reductase Inhibition, 55S

**Homeostasis model assessment**

Correlation Between the Glucose Clamp Technique and  
the Homeostasis Model Assessment in  
Hypertension, 51

**Homocyst(e)ine**

Pilot Study of Homocyst(e)ine Levels in Essential  
Hypertension: Relationship to von Willebrand  
Factor, an Index of Endothelial Damage, 627

**Hormone replacement therapy**

Cardiovascular Effects of Estrogen, 186S  
Effect of Combination Hormone Replacement Therapy  
on Ambulatory Blood Pressure and Arterial  
Stiffness in Diabetic Postmenopausal Women, 699  
Hormone Replacement Therapy Increases Plasma Level  
of Angiotensin II in Postmenopausal Hypertensive  
Women, 206

**Hydrochlorothiazide**

Efficacy and Safety of Omapatrilat With  
Hydrochlorothiazide for the Treatment of  
Hypertension in Subjects Nonresponsive to  
Hydrochlorothiazide Alone, 788

**Hydroxyl radical**

Lead-Induced Hypertension. III. Increased Hydroxyl  
Radical Production, 169

**Hypercholesterolemia**

Treatment With Atorvastatin Improves Small Artery  
Compliance in Patients With Severe  
Hypercholesterolemia, 1096

**Hyperglycemia**

Blood Viscosity and Blood Pressure: Role of  
Temperature and Hyperglycemia, 433

**Hyperhomocysteinemia**

5,10-Methylenetetrahydrofolate Reductase Polymorphism  
and Early Organ Damage in Primary Hypertension,  
371

**Hyperinsulinemia**

Biphasic Effect of Epinephrine on Blood Glucose  
During Hyperinsulinemia in Borderline  
Hypertensive Young Men, 539  
Converting Enzyme Inhibition With Captopril Abolishes  
Sympathoexcitation to Euglycemic  
Hyperinsulinemia in Rats, 592  
Effect of Allicin and Enalapril in Fructose-Induced  
Hyperinsulinemic Hyperlipidemic Hypertensive  
Rats, 377  
Hyperinsulinemia Is a Determinant of Membrane  
Fluidity of Erythrocytes in Essential Hypertension,  
419  
Hyperinsulinemia Superimposed on Insulin Resistance  
Does Not Elevate Blood Pressure, 429  
Long-Term Fructose Feeding Impairs Vascular  
Relaxation in Rat Mesenteric Arteries, 811  
Systolic Blood Pressure Alterations During

Hyperinsulinemia Are Related to Changes in  
Ionized Calcium Status, 1106

**Hyperlipidemia**

Association Between the  $\alpha$ -Adducin Gly460Trp  
Polymorphism and Systolic Blood Pressure in  
Familial Combined Hyperlipidemia, 1185  
Effect of Allicin and Enalapril in Fructose-Induced  
Hyperinsulinemic Hyperlipidemic Hypertensive  
Rats, 377  
Familial Dyslipidemic Hypertension Syndrome: Familial  
Combined Hyperlipidemia, and the Role of  
Abdominal Fat Mass, 357  
Pressor Response to Acute Hyperlipidemia Is Enhanced  
in Lean Normotensive Offspring of Hypertensive  
Patients, 1032  
Relation Between Sodium-Lithium Countertransport and  
Hypertriglyceridemia in Type V Hyperlipidemia, 32

**Hypertension syndrome**

Beyond the Sphygmomanometric Numbers:  
Hypertension as a Syndrome, 250S

**Hypertensive crisis**

Laragh's Lessons in Pathophysiology and Clinical Pearls  
for Treating Hypertension, 837  
Management of Hypertensive Crises: The Scientific  
Basis for Treatment Decisions, 1154

**Hyperthyroidism**

Influence of Short-Time Application of a Low Sodium  
Diet on Blood Pressure in Patients With  
Hyperthyroidism or Hypothyroidism During  
Therapy, 995

**Hypertriglyceridemia**

Relation Between Sodium-Lithium Countertransport and  
Hypertriglyceridemia in Type V Hyperlipidemia, 32

**Hypothyroidism**

Influence of Short-Time Application of a Low Sodium  
Diet on Blood Pressure in Patients With  
Hyperthyroidism or Hypothyroidism During  
Therapy, 995

**I****Imidazoline receptors**

I<sub>1</sub> Receptors, Cardiovascular Function, and Metabolism,  
317S

Update on Rilmenidine: Clinical Benefits, 322S

**Indapamide**

Coronary Microvasculature Alteration in Hypertensive  
Rats. Effect of Treatment With a Diuretic and an  
ACE Inhibitor, 7

**Indomethacin**

Effect of Indomethacin on Blood Pressure in Elderly  
People With Essential Hypertension Well  
Controlled on Amlodipine or Enalapril (letter), 835

**Infarction. See also Cerebral infarct**

Acute Infarct of the Left Parietal Lobe in a  
Hypertensive Patient, 599

**Infections**

Inverse Association of *Chlamydia pneumoniae* Infection With High Blood Pressure in Japanese Adults, 20

**Insulin. See also Hyperinsulinemia**

Biphasic Effect of Epinephrine on Blood Glucose During Hyperinsulinemia in Borderline Hypertensive Young Men, 539

Differential Effects of ACE-Inhibition and Angiotensin II Antagonism on Fibrinolysis and Insulin Sensitivity on Hypertensive Postmenopausal Women, 921

Effect of Sodium Supplementation on Glucose Tolerance and Insulin Concentrations in Patients With Hypertension and Diabetes Mellitus, 653

Hyperinsulinemia Is a Determinant of Membrane Fluidity of Erythrocytes in Essential Hypertension, 419

Plasma Leptin Concentration, Insulin Sensitivity, and 24-Hour Ambulatory Blood Pressure and Left Ventricular Geometry, 114

**Insulin clamp**

Correlation Between the Glucose Clamp Technique and the Homeostasis Model Assessment in Hypertension, 51

**Insulin-like growth factor-1**

Atrophy or Hypertrophy in Chronic Renal Ischemia: Role of the IGF-I System, 1211

**Insulin resistance**

Combined Effects of Endothelial Nitric Oxide Synthase Gene Polymorphism (G894T) and Insulin Resistance Status on Blood Pressure and Familial Risk of Hypertension in Young Adults: The Bogalusa Heart Study, 1046

Correlation Between the Glucose Clamp Technique and the Homeostasis Model Assessment in Hypertension, 51

Hyperinsulinemia Superimposed on Insulin Resistance Does Not Elevate Blood Pressure, 429

Insulin Resistance and Cardiovascular Disease, 116S

Long-Term Fructose Feeding Impairs Vascular Relaxation in Rat Mesenteric Arteries, 811

Plasma Renin Activity and Insulin Resistance in African American and White Children: The Bogalusa Heart Study, 212

Sympathetic Nervous System and Insulin Resistance: From Obesity to Diabetes, 304S

Voluntary Running Improves Glucose Tolerance and Insulin Resistance in Female Spontaneously Hypertensive Rats, 708

**Intima-media thickness. See also Carotid arteries**

Association of Specific HLA Phenotypes With Left Ventricular Mass and Carotid Intima-Media Thickness in Hypertensives, 632

Effect of Parathyroid Hormone Levels on Carotid Intima-Media Thickness After Renal Transplantation, 1012

Optimizing Assessment of Carotid and Femoral Intima-Media Thickness in Essential Hypertension, 1025

**Intrauterine growth restriction**

Spontaneous Pregnancy-Induced Hypertension and Intrauterine Growth Restriction in Rats, 1058

**Irbesartan**

Pharmacology and Clinical Efficacy of Angiotensin Receptor Blockers, 242S

**Ischemia**

Atrophy or Hypertrophy in Chronic Renal Ischemia: Role of the IGF-I System, 1211

Effects of Drug Therapy on Cardiac Arrhythmias and Ischemia in Hypertensives With LVH, 637

Fibrosis and Ischemia: The Real Risks in Hypertensive Renal Disease, 194S

**Isolated systolic hypertension**

Arterial Compliance Abnormalities in Isolated Systolic Hypertension, 1007

Mind the Gap: Prevalence and Pathophysiology of Isolated Systolic Hypertension (letter), 980

Similar Effects of Isolated Systolic and Combined Hypertension on Left Ventricular Geometry and Function: The LIFE Study, 768

**K****Kidneys**

Abnormalities in Lipid Composition of Brush-Border Membranes Isolated From Renal Cortex of Spontaneously Hypertensive Rats, 578

Abnormal Pressure-Natriuresis in Hypertension: Role of Cytochrome P450 Metabolites of Arachidonic Acid, 90S

Amlodipine and Long-Term Renoprotection in Hypertensive Patients With Renal Dysfunction (letter), 601

Atrophy or Hypertrophy in Chronic Renal Ischemia: Role of the IGF-I System, 1211

Differential Salt-Sensitivity in the Pathogenesis of Renal Damage in SHR and Stroke Prone SHR, 311

Functionally Specific Renal Sympathetic Nerve Fibers: Role in Cardiovascular Regulation, 163S

Genetic Manipulation of the Renin-Angiotensin System: Targeted Expression of the Renin-Angiotensin System in the Kidney, 33S

Kidney Dysfunction: A Sensitive Predictor of Cardiovascular Risk, 213S

Nitric Oxide in the Control of Renal Hemodynamics and Excretory Function, 74S

Plasma OLC Is Elevated in Mild Experimental Uremia But Is Not Associated With Hypertension, 1112

Renal Implications of Angiotensin Receptor Blockers, 237S

Renal Macrostructure and Cortical Circulation in Hypertension Assessed by Dynamic Computed Tomography, 516

- Role of Gender on Renal Interstitial Hydrostatic Pressure and Sodium Excretion in Rats, 893  
 Sympathetic Nervous System and Long-Term Blood Pressure Regulation, 147S

## L

### Lead

- Lead-Induced Hypertension. III. Increased Hydroxyl Radical Production, 169

### Left ventricle

- Dimensions of the Left Ventricle, Atrium, and Aortic Root in Pregnancy-Induced Hypertension, 390  
 Effect of ACE/NEP Inhibition on Cardiac and Vascular Collagen in Stroke-Prone Spontaneously Hypertensive Rats, 1067  
 Endogenous Ouabain and Hemodynamic and Left Ventricular Geometric Patterns in Essential Hypertension, 44  
 Independent Association of Plasma Leptin Levels and Left Ventricular Isovolumic Relaxation in Uncomplicated Hypertension, 1019  
 Left Ventricular Diastolic Function Predicts Outcome in Uncomplicated Hypertension, 504  
 Left Ventricular Function Impairment in Pregnancy-Induced Hypertension, 271  
 Left Ventricular Mechanical Efficiency in Hypertensive Patients With and Without Increased Myocardial Mass and With Normal Pump Function, 1231  
 Pulse Pressure in Normotensives: A Marker of Cardiovascular Disease, 195

### Left ventricle mass

- Microalbuminuria as a Marker of Preclinical Diastolic Dysfunction in Never-Treated Essential Hypertensives, 644

### Left ventricular geometry

- Plasma Leptin Concentration, Insulin Sensitivity, and 24-Hour Ambulatory Blood Pressure and Left Ventricular Geometry, 114  
 Sibling Correlation of Left Ventricular Mass and Geometry in Hypertensive African Americans and Whites: The HyperGEN Study, 1226  
 Similar Effects of Isolated Systolic and Combined Hypertension on Left Ventricular Geometry and Function: The LIFE Study, 768

### Left ventricular hypertrophy

- Diastolic Dysfunction Precedes Myocardial Hypertrophy in the Development of Hypertension, 106  
 Effects of Drug Therapy on Cardiac Arrhythmias and Ischemia in Hypertensives With LVH, 637  
 Fibrosis and Ischemia: The Real Risks in Hypertensive Renal Disease, 194S  
 Left Ventricular Hypertrophy and Angiotensin II Antagonists, 174  
 Left Ventricular Mechanical Efficiency in Hypertensive Patients With and Without Increased Myocardial Mass and With Normal Pump Function, 1231

- Maximal Exercise Capacity Is Related to Cardiovascular Structure in Patients With Longstanding Hypertension. A LIFE Substudy, 1205  
 Optimizing Assessment of Carotid and Femoral Intima-Media Thickness in Essential Hypertension, 1025  
 QT Intervals and QT Dispersion as Measures of Left Ventricular Hypertrophy in an Unselected Hypertensive Population, 455  
 Relation of Echocardiographic Left Ventricular Mass and Hypertrophy to Persistent Electrocardiographic Left Ventricular Hypertrophy in Hypertensive Patients: The LIFE Study, 775

### Left ventricular mass

- Association of Specific HLA Phenotypes With Left Ventricular Mass and Carotid Intima-Media Thickness in Hypertensives, 632  
 Comparison of Two Calcium Blockers on Hemodynamic, Left Ventricular Mass, and Coronary Vasodilatory in Advanced Hypertension, 231  
 Family History of Hypertension and Left Ventricular Mass in Youth: Possible Mediating Parameters, 351  
 G Protein  $\beta_3$  Subunit Gene 825T Allele Is Associated With Increased Left Ventricular Mass in Young Subjects With Hypertension, 1191  
 Prognostic Value of Left Ventricular Mass and Its Evolution During Treatment in the Bordeaux Cohort of Hypertensive Patients, 524  
 Relation of Echocardiographic Left Ventricular Mass and Hypertrophy to Persistent Electrocardiographic Left Ventricular Hypertrophy in Hypertensive Patients: The LIFE Study, 775  
 Sibling Correlation of Left Ventricular Mass and Geometry in Hypertensive African Americans and Whites: The HyperGEN Study, 1226  
 Vascular Cell Adhesion Molecule-1 as a Biochemical Marker of Left Ventricular Mass in the Patients With Hypertension, 869

### Leptin

- Does Leptin Cause Functional Peripheral Sympatholysis?, 615  
 Independent Association of Plasma Leptin Levels and Left Ventricular Isovolumic Relaxation in Uncomplicated Hypertension, 1019  
 Leptin and Norepinephrine Plasma Concentrations During Glucose Loading in Normotensive and Hypertensive Obese Woman, 619  
 Obesity, Leptin and Blood Pressure Among Children in Taiwan: The Taipei Children's Heart Study, 135  
 Obesity Hypertension: Role of Leptin and Sympathetic Nervous System, 103S  
 Plasma Leptin Concentration, Insulin Sensitivity, and 24-Hour Ambulatory Blood Pressure and Left Ventricular Geometry, 114

### Lipids

- Abnormalities in Lipid Composition of Brush-Border



Membranes Isolated from Renal Cortex of Spontaneously Hypertensive Rats, 578

# **Lipoxygenase**

Inhibitors of Arachidonic Acid Metabolism Have Variable Effects on Calcium Signaling Pathways, 248

# **Lisinopril**

Does the Antihypertensive Response to Angiotensin Converting Enzyme Inhibition Predict the Antihypertensive Response to Angiotensin Receptor Antagonism?, 688

Familial Factors in the Antihypertensive Response to Lisinopril, 218

# **Lithium**

Relation Between Sodium-Lithium Countertransport and Hypertriglyceridemia in Type V Hyperlipidemia, 32

# **Losartan**

Does the Antihypertensive Response to Angiotensin Converting Enzyme Inhibition Predict the Antihypertensive Response to Angiotensin Receptor Antagonism?, 688

Losartan Versus Enalapril on Cerebral Edema and Proteinuria in Stroke-Prone Hypertensive Rats, 54  
Pharmacology and Clinical Efficacy of Angiotensin Receptor Blockers, 242S

# **Low-density lipoproteins**

Autoantibodies to Oxidized Low-Density Lipoprotein in Coronary Artery Disease, 149

Doxazosin, an  $\alpha_1$ -Adrenergic Antihypertensive Agent, Decreases Serum Oxidized LDL, 267

Doxazosin Reduces Prevalence of Small Dense Low Density Lipoprotein and Remnant-Like Particle Cholesterol Levels in Nondiabetic and Diabetic Hypertensive Patients, 908

Endothelial Dysfunction in Resistance Arteries Is Related to High Blood Pressure and Circulating Low Density Lipoproteins in Previously Treated Hypertension, 861

# **M**

# **Magnesium**

Alterations in Calcium and Magnesium Content of Red Cell Membranes in Patients With Primary Hypertension, 254

# **Malignant hypertension**

Cross-Sectional, Diurnal, and Follow-Up Study of Platelet Activation and Endothelial Dysfunction in Malignant Phase Hypertension, 823

Laragh's Lessons in Pathophysiology and Clinical Pearls for Treating Hypertension, 186

# **Mayer waves**

Altered Mayer Wave and Baroreflex Profiles in High Spinal Cord Injury, 141

# **Mean arterial pressure**

Evaluation of the Placebo Effect and the Reproducibility

of Blood Pressure Measurement in Hypertension, 546

Rapid Hypotensive Response to Fasting in Spontaneously Hypertensive Rats, 1123

# **Men**

Biphasic Effect of Epinephrine on Blood Glucose During Hyperinsulinemia in Borderline Hypertensive Young Men, 539

# **Mesenteric arteries**

Direct Vascular Actions of Methyclothiazide in Remodeled Mesenteric Arteries From Hypertensive Patients, 989

Long-Term Fructose Feeding Impairs Vascular Relaxation in Rat Mesenteric Arteries, 811

# **Metabolism**

$I_1$  Receptors, Cardiovascular Function, and Metabolism, 317S

Nitric Oxide Does Not Participate in the Metabolic Effects of Exogenous Bradykinin in Fructose-Fed Rats, 3

# **Metformin**

Intracerebroventricular Metformin Attenuates Salt-Induced Hypertension in Spontaneously Hypertensive Rats, 1116

# **Methyclothiazide**

Direct Vascular Actions of Methyclothiazide in Remodeled Mesenteric Arteries From Hypertensive Patients, 989

# **5,10-Methylenetetrahydrofolate**

5,10-Methylenetetrahydrofolate Reductase Polymorphism and Early Organ Damage in Primary Hypertension, 371

# **Microalbuminuria**

Angiotensin II AT1 Receptor Gene Polymorphism and Microalbuminuria in Essential Hypertension, 364  
Association Between Albumin:Creatinine Ratio and 24-Hour Ambulatory Blood Pressure in Essential Hypertension, 338

Microalbuminuria as a Marker of Preclinical Diastolic Dysfunction in Never-Treated Essential Hypertensives, 644

# **Mineralocorticoids**

Aldosterone Esters and the Heart, 200S

New Frontiers in Aldosterone/Mineralocorticoid Biology: A Reemerging Force in Target Organ Damage and Hypertension, 1276

# **Mortality**

Calcium Channel Blockers in Hypertension: Reappraisal After New Trials and Major Meta-Analyses, 1074

# **Myocardial infarction**

Calcium Channel Blockers in Hypertension: Reappraisal After New Trials and Major Meta-Analyses, 1074

# **Myocardial ischemia**

Effects of Drug Therapy on Cardiac Arrhythmias and Ischemia in Hypertensives With LVH, 637

**Myocardium**

- Diastolic Dysfunction Precedes Myocardial Hypertrophy in the Development of Hypertension, 106
- Plasma Leptin Concentration, Insulin Sensitivity, and 24-Hour Ambulatory Blood Pressure and Left Ventricular Geometry, 114

**N****Natriuresis**

- Urinary Adrenomedullin Is Related to ET-1 and Salt Intake in Patients With Mild Essential Hypertension, 224

**Neointima**

- Elevated Potassium Intake Inhibits Neointimal Proliferation in the Swine Coronary Artery, 879

**Neurofibromatosis type 1**

- Arterial Distensibility and Ambulatory Blood Pressure Monitoring in Young Patients With Neurofibromatosis Type 1, 559

**Nicotine**

- Cardiovascular Effects of Transdermal Nicotine in Mildly Hypertensive Smokers, 610
- Safety of Nicotine in Smokers With Hypertension (editorial), 731

**Nifedipine**

- Comparison of Two Calcium Blockers on Hemodynamic, Left Ventricular Mass, and Coronary Vasodilatory in Advanced Hypertension, 231

**Nitric oxide**

- Arterial Pressure Control at the Onset of Type 1 Diabetes: The Role of Nitric Oxide and the Renin-Angiotensin System, 126S
- Decreased Influence of Nitric Oxide on Deoxycortisone Acetate-Salt Hypertension, 387
- Decreased Nitric Oxide Levels and Increased Calcium Content in Platelets of Hypertensive Patients, 382
- Effect of Obesity on Endothelium-Dependent, Nitric Oxide-Mediated Vasodilation in Normotensive Individuals and Patients With Essential Hypertension, 1038
- Effect of Salt Loading on Nitric Oxide Synthase Expression in Normotensive Rats, 155
- Hypotensive Effect of Endothelin-1 in Nitric Oxide-Deprived, Hypertensive Pregnant Rats, 585
- Inhibition of Nitric Oxide by Arginine Analogs in Human Renal Arteries, 1142
- Nitric Oxide Does Not Participate in the Metabolic Effects of Exogenous Bradykinin in Fructose-Fed Rats, 3
- Nitric Oxide in the Control of Renal Hemodynamics and Excretory Function, 74S
- Role of Abnormal Nitric Oxide Systems in Salt-Sensitive Hypertension, 68S
- Role of Nitric Oxide and the Renin-Angiotensin System in Salt-Restricted Dahl Rats, 276

- Urinary Excretion of Vasoactive Factors Are Correlated to Sodium Excretion, 1003

**Nitric oxide synthase**

- Aortic Smooth Muscle Cell Proliferation and Endothelial Nitric Oxide Synthase Activity in Fructose-Fed Rats, 1135
- Combined Effects of Endothelial Nitric Oxide Synthase Gene Polymorphism (G894T) and Insulin Resistance Status on Blood Pressure and Familial Risk of Hypertension in Young Adults: The Bogalusa Heart Study, 1046
- Effect of Salt Loading on Nitric Oxide Synthase Expression in Normotensive Rats, 155
- Effects of Quinapril on Expression of eNOS, ACE, and AT1 Receptor in Deoxycorticosterone Acetate-Salt Hypertensive Rats, 321

**Nonpharmacologic treatment**

- Device-Guided Breathing Exercises Reduce Blood Pressure: Ambulatory and Home Measurements, 74

**Noradrenaline**

- Sympathetic Neurobiology of Essential Hypertension: Disparate Influences of Obesity, Stress, and Noradrenaline Transport Dysfunction?, 139S

**Norepinephrine**

- Leptin and Norepinephrine Plasma Concentrations During Glucose Loading in Normotensive and Hypertensive Obese Woman, 619
- Role of the Central Nervous System in NaCl-Sensitive Hypertension in Spontaneously Hypertensive Rats, 155S

**O****Obesity**

- Antihypertensive Effect of  $\alpha$ - and  $\beta$ -Adrenergic Blockade in Obese and Lean Hypertensive Subjects, 695
- Effect of Obesity on Endothelium-Dependent, Nitric Oxide-Mediated Vasodilation in Normotensive Individuals and Patients With Essential Hypertension, 1038
- Leptin and Norepinephrine Plasma Concentrations During Glucose Loading in Normotensive and Hypertensive Obese Woman, 619
- Obesity, Leptin and Blood Pressure Among Children in Taiwan: The Taipei Children's Heart Study, 135
- Obesity Hypertension: Role of Leptin and Sympathetic Nervous System, 103S
- Sympathetic Nervous System and Insulin Resistance: From Obesity to Diabetes, 304S
- Sympathetic Neurobiology of Essential Hypertension: Disparate Influences of Obesity, Stress, and Noradrenaline Transport Dysfunction?, 139S
- Weight Reduction and Pharmacologic Treatment in Obese Hypertensives, 530
- Obstructive sleep apnea**
- Hemodynamic Responses to Obstructive Respiratory

- Events During Sleep Are Augmented in Women With Preeclampsia, 1090
- Sleep Quality and Blood Pressure Dipping in Obstructive Sleep Apnea, 887
- Oligodeoxynucleotides**  
Effects of PDGF A-Chain Antisense  
Oligodeoxynucleotides on Growth of Cardiovascular Organs in Stroke-Prone Spontaneously Hypertensive Rats, 439
- Omapatrilat**  
Effect of ACE/NEP Inhibition on Cardiac and Vascular Collagen in Stroke-Prone Spontaneously Hypertensive Rats, 1067  
Efficacy and Safety of Omapatrilat With Hydrochlorothiazide for the Treatment of Hypertension in Subjects Nonresponsive to Hydrochlorothiazide Alone, 788
- Ouabain**  
Endogenous Ouabain and Hemodynamic and Left Ventricular Geometric Patterns in Essential Hypertension, 44  
Plasma OLC Is Elevated in Mild Experimental Uremia But Is Not Associated With Hypertension, 1112
- Outcomes**  
Outcome Survey in Unselected Hypertensive Patients With Type 2 Diabetes Mellitus: Effects of ACE Inhibition, 672

## P

### Parathyroid hormone

- Effect of Parathyroid Hormone Levels on Carotid Intima-Media Thickness After Renal Transplantation, 1012

### Pathophysiology

- Abstract, Closing Summary, and Table of Contents for Laragh's 25 Lessons in Pathophysiology and 12 Clinical Pearls for Treating Hypertension, 1173, 1175, 1177
- Laragh's Lessons in Pathophysiology and Clinical Pearls for Treating Hypertension, 84, 186, 397, 491, 603, 733, 837

### Pediatrics. See Children

### Perindopril

- Coronary Microvasculature Alteration in Hypertensive Rats. Effect of Treatment With a Diuretic and an ACE Inhibitor, 7
- Effects of ACE Inhibitor Therapy on Derived Central Arterial Waveforms in Hypertension, 804
- Ongoing Trials of Angiotensin-Converting Enzyme Inhibition: What They Can Tell Us, 270S

### Pheochromocytoma

- Pheochromocytoma in a Symptomatic Patient With Severe Hypertension Upon Anesthesia Induction, 729

### Physical activity. See also Exercise

- Effects of Short- and Long-Acting Calcium Channel

- Blockers on the Relationship Between Blood Pressure and Physical Activity, 66

### Phytoestrogens

- Effects of Phytoestrogens on DNA Synthesis and Creatine Kinase Activity in Vascular Cells, 1256

### Placebo effect

- Evaluation of the Placebo Effect and the Reproducibility of Blood Pressure Measurement in Hypertension, 546

### Platelet(s)

- Cross-Sectional, Diurnal, and Follow-Up Study of Platelet Activation and Endothelial Dysfunction in Malignant Phase Hypertension, 823
- Decreased Nitric Oxide Levels and Increased Calcium Content in Platelets of Hypertensive Patients, 382

### Platelet-derived growth factor

- Effects of PDGF A-Chain Antisense  
Oligodeoxynucleotides on Growth of Cardiovascular Organs in Stroke-Prone Spontaneously Hypertensive Rats, 439

### Polymorphonuclear leukocytes

- Enhanced Neutrophil Superoxide Anion Production and Its Modification By Beraprost Sodium in Spontaneously Hypertensive Rats, 722

### Population studies

- Distribution of Blood Pressure and Hypertension in Canada and the United States, 1099

### Postmenopausal women. See also Women

- Blunted Nighttime Blood Pressure Dipping in Postmenopausal Women, 749
- Differential Effects of ACE-Inhibition and Angiotensin II Antagonism on Fibrinolysis and Insulin Sensitivity on Hypertensive Postmenopausal Women, 921
- Hormone Replacement Therapy Increases Plasma Level of Angiotensin II in Postmenopausal Hypertensive Women, 206
- Impact of Smoking Cessation on Ambulatory Blood Pressure and Heart Rate in Postmenopausal Women, 942

### Potassium

- Are Low Intakes of Calcium and Potassium Important Causes of Cardiovascular Disease?, 206S
- Differences in K<sup>+</sup> Current Components in Mesenteric Artery Myocytes From WKY and SHR, 897
- Elevated Potassium Intake Inhibits Neointimal Proliferation in the Swine Coronary Artery, 879

### Preeclampsia. See also Pregnancy-induced hypertension

- Hemodynamic Responses to Obstructive Respiratory Events During Sleep Are Augmented in Women With Preeclampsia, 1090
- Hypotensive Effect of Endothelin-1 in Nitric Oxide-Deprived, Hypertensive Pregnant Rats, 585
- Pathophysiology of Pregnancy-Induced Hypertension, 178S
- Preeclamptic Serum Enhances Endothelin-Converting

- Enzyme Expression in Cultured Endothelial Cells, 77
- Spontaneous Pregnancy-Induced Hypertension and Intrauterine Growth Restriction in Rats, 1058
- Pregnancy**
- Hypotensive Effect of Endothelin-1 in Nitric Oxide-Deprived, Hypertensive Pregnant Rats, 585
- Sleep Effects on Ambulatory Blood Pressure Measurements in Pregnant Women, 38
- Pregnancy-induced hypertension. See also Preeclampsia**
- Dimensions of the Left Ventricle, Atrium, and Aortic Root in Pregnancy-Induced Hypertension, 390
- Left Ventricular Function Impairment in Pregnancy-Induced Hypertension, 271
- Pathophysiology of Pregnancy-Induced Hypertension, 178S
- Spontaneous Pregnancy-Induced Hypertension and Intrauterine Growth Restriction in Rats, 1058
- Study of the Temporal Relationship Between Plasma High Molecular Weight Angiotensinogen and the Development of Pregnancy-Induced Hypertension, 794
- Pressure-activated channel**
- Regulation of Pressure-Activated Channel in Intact Vascular Endothelium of Stroke-Prone Spontaneously Hypertensive Rats, 716
- Pressure-natriuresis response**
- Abnormal Pressure-Natriuresis in Hypertension: Role of Cytochrome P450 Metabolites of Arachidonic Acid, 90S
- Primary hypertension**
- Alterations in Calcium and Magnesium Content of Red Cell Membranes in Patients With Primary Hypertension, 254
- 5,10-Methylenetetrahydrofolate Reductase Polymorphism and Early Organ Damage in Primary Hypertension, 371
- Prostacyclin synthase gene**
- Polymorphism of the Promoter Region of Prostacyclin Synthase Gene Is Not Related to Essential Hypertension, 409
- Protein C deficiency**
- Silent Cerebral Infarcts in Basal Ganglia Are Advanced in Congenital Protein C-Deficient Heterozygotes With Hypertension, 818
- Proteinuria**
- Losartan Versus Enalapril on Cerebral Edema and Proteinuria in Stroke-Prone Hypertensive Rats, 54
- Pulmonary wedge pressure**
- Left Ventricular Diastolic Function Predicts Outcome in Uncomplicated Hypertension, 504
- Pulse pressure**
- Association of Increased Pulse Pressure With the Development of Heart Failure in SHEP, 798
- Evaluation of the Placebo Effect and the Reproducibility

of Blood Pressure Measurement in Hypertension, 546

Pulse Pressure and Aortic Pulse Wave Velocity Are Markers of Cardiovascular Risk in Hypertensive Populations, 91

Pulse Pressure in Normotensives: A Marker of Cardiovascular Disease, 195

Reference Values for Clinic Pulse Pressure in a Nonselected Population, 415

## Q

### QT dispersion

QT Intervals and QT Dispersion as Measures of Left Ventricular Hypertrophy in an Unselected Hypertensive Population, 455

### QT interval

QT Intervals and QT Dispersion as Measures of Left Ventricular Hypertrophy in an Unselected Hypertensive Population, 455

### Race. See also specific race

The Glycine Allele of a Glycine/Arginine Polymorphism in the  $\beta_2$ -Adrenergic Receptor Gene Is Associated With Essential Hypertension in a Population of Chinese Origin, 1196

Hypertension Treatment Patterns in American Indians: The Strong Heart Study, 950

Plasma Renin Activity and Insulin Resistance in African American and White Children: The Bogalusa Heart Study, 212

Racial Differences in Resting End-Tidal  $\text{CO}_2$  and Circulating Sodium Pump Inhibitor, 761

Valsartan Alone or With a Diuretic or ACE Inhibitor as Treatment for African American Hypertensives: Relation to Salt Intake, 665

## R

### Raloxifene

Effects of Phytoestrogens on DNA Synthesis and Creatine Kinase Activity in Vascular Cells, 1256

### Reactive oxygen species

Lead-Induced Hypertension. III. Increased Hydroxyl Radical Production, 169

### Refractory hypertension

Is Resistant Hypertension Really Resistant?, 1263

Severe and Refractory Hypertension in a Young Man, 829

### Renal arteries

Hypertension Due to Renal Artery Occlusion in a Patient With Antiphospholipid Syndrome, 62

Inhibition of Nitric Oxide by Arginine Analogs in Human Renal Arteries, 1142

### Renal artery stenosis

Ostial Renal Artery Stent Placement in Patients 75 Years or Older, 983



**Renal circulation**

Nitric Oxide in the Control of Renal Hemodynamics and Excretory Function, 74S

Renal Macrostructure and Cortical Circulation in Hypertension Assessed by Dynamic Computed Tomography, 516

**Renal sympathetic nerve fibers**

Functionally Specific Renal Sympathetic Nerve Fibers: Role in Cardiovascular Regulation, 163S

**Renal transplantation**

Effect of Parathyroid Hormone Levels on Carotid Intima-Media Thickness After Renal Transplantation, 1012

Renin System Activation and Delayed Function of the Renal Transplant, 1270

**Renin**

Abstract, Closing Summary, and Table of Contents for Laragh's 25 Lessons in Pathophysiology and 12 Clinical Pearls for Treating Hypertension, 1173  
-344C/T Polymorphism of CYP11B2 Gene in Italian Patients With Idiopathic Low Renin Hypertension, 934

Laragh's Lessons in Pathophysiology and Clinical Pearls for Treating Hypertension, 186, 603, 733

Plasma Renin Activity and Insulin Resistance in African American and White Children: The Bogalusa Heart Study, 212

Renin System Activation and Delayed Function of the Renal Transplant, 1270

**Renin-angiotensin-aldosterone system**

Hormone Replacement Therapy Increases Plasma Level of Angiotensin II in Postmenopausal Hypertensive Women, 206

**Renin-angiotensin system**

Arterial Pressure Control at the Onset of Type 1

Diabetes: The Role of Nitric Oxide and the Renin-Angiotensin System, 126S

Converting Enzyme Inhibition With Captopril Abolishes Sympathoexcitation to Euglycemic Hyperinsulinemia in Rats, 592

Development and Application of a Biological Peptide Pump for the Study of the In Vivo Actions of Angiotensin Peptides, 38S

Genetic Manipulation of the Renin-Angiotensin System: Targeted Expression of the Renin-Angiotensin System in the Kidney, 33S

Role of Nitric Oxide and the Renin-Angiotensin System in Salt-Restricted Dahl Rats, 276

**Renovascular hypertension**

Atrophy or Hypertrophy in Chronic Renal Ischemia: Role of the IGF-I System, 1211

Hypertension Due to Renal Artery Occlusion in a Patient With Antiphospholipid Syndrome, 62

Ostial Renal Artery Stent Placement in Patients 75 Years or Older, 983

**Resistant hypertension**

Is Resistant Hypertension Really Resistant?, 1263

**Rilmenidine**

I<sub>1</sub> Receptors, Cardiovascular Function, and Metabolism, 317S

Update on Rilmenidine: Clinical Benefits, 322S

**Risk assessment and stratification**

Arterial Compliance to Stratify Cardiovascular Risk: More Precision in Therapeutic Decision Making, 258S

Blood Pressure and Symptoms of Depression and Anxiety: A Prospective Study, 660

Combined Effects of Endothelial Nitric Oxide Synthase Gene Polymorphism (G894T) and Insulin Resistance Status on Blood Pressure and Familial Risk of Hypertension in Young Adults: The Bogalusa Heart Study, 1046

Dipping Is Superior to Cusums Analysis in Assessment of the Risk of Stroke in a Case-Control Study, 649

Insulin Resistance and Cardiovascular Disease, 116S

Kidney Dysfunction: A Sensitive Predictor of Cardiovascular Risk, 213S

New Approaches to Screening for Vascular and Cardiac Risk, 218S

Pulse Pressure and Aortic Pulse Wave Velocity Are Markers of Cardiovascular Risk in Hypertensive Populations, 91

**Risk factors**

Beyond the Sphygmomanometric Numbers: Hypertension as a Syndrome, 250S

Management of Hypertensive Patients With Multiple Cardiovascular Risk Factors, 221S

**S****Salt**

Differential Salt-Sensitivity in the Pathogenesis of Renal Damage in SHR and Stroke Prone SHR, 311

Effect of Salt Loading on Nitric Oxide Synthase Expression in Normotensive Rats, 155

Laragh's Lessons in Pathophysiology and Clinical Pearls for Treating Hypertension, 397

Role of  $\alpha_2$ -Adrenergic Receptors in Hypertension, 171S

Urinary Adrenomedullin Is Related to ET-1 and Salt Intake in Patients With Mild Essential Hypertension, 224

Valsartan Alone or With a Diuretic or ACE Inhibitor as Treatment for African American Hypertensives: Relation to Salt Intake, 665

**Salt-sensitive hypertension**

Decreased Influence of Nitric Oxide on Deoxycortisone Acetate-Salt Hypertension, 387

Effects of Quinapril on Expression of eNOS, ACE, and AT1 Receptor in Deoxycorticosterone Acetate-Salt Hypertensive Rats, 321

Intracerebroventricular Metformin Attenuates Salt-Induced Hypertension in Spontaneously Hypertensive Rats, 1116

Role of Abnormal Nitric Oxide Systems in Salt-Sensitive Hypertension, 68S

Role of the Central Nervous System in NaCl-Sensitive Hypertension in Spontaneously Hypertensive Rats, 155S

### Screenings

New Approaches to Screening for Vascular and Cardiac Risk, 218S

Screening for Eligibility in the Study of Antihypertensive Medication in Children: Experience From the Ziac Pediatric Hypertension Study, 783

### Sexual activity

Sexual Activity in Hypertensive Men Treated With Valsartan or Carvedilol: A Crossover Study, 27

### Sildenafil

Effect of Sildenafil in Patients With Erectile Dysfunction Taking Antihypertensive Therapy, 70

### Silent cerebral infarct

Different Patterns of Silent Cerebral Infarct in Patients With Coronary Artery Disease or Hypertension, 509

Silent Cerebral Infarcts in Basal Ganglia Are Advanced in Congenital Protein C-Deficient Heterozygotes With Hypertension, 818

### Sleep

Relationship Between 24-Hour Blood Pressure and Sleep Disordered Breathing in a Normotensive Community Sample, 743

Sleep Effects on Ambulatory Blood Pressure Measurements in Pregnant Women, 38

Sleep Quality and Blood Pressure Dipping in Obstructive Sleep Apnea, 887

### Smoking

Cardiovascular Effects of Transdermal Nicotine in Mildly Hypertensive Smokers, 610

Impact of Smoking Cessation on Ambulatory Blood Pressure and Heart Rate in Postmenopausal Women, 942

### Sodium

Effect of Sodium Supplementation on Glucose Tolerance and Insulin Concentrations in Patients With Hypertension and Diabetes Mellitus, 653

Influence of Short-Time Application of a Low Sodium Diet on Blood Pressure in Patients With Hyperthyroidism or Hypothyroidism During Therapy, 995

Interaction Between Sodium Intake, Angiotensin II, and Blood Pressure as a Cause of Cardiac Hypertrophy, 914

Racial Differences in Resting End-Tidal CO<sub>2</sub> and Circulating Sodium Pump Inhibitor, 761

Role of Angiotensin Converting Enzyme Genotype in Sodium Sensitivity in Older Hypertensives, 1178

Urinary Excretion of Vasoactive Factors Are Correlated to Sodium Excretion, 1003

### Sodium-lithium countertransport

Relation Between Sodium-Lithium Countertransport and Hypertriglyceridemia in Type V Hyperlipidemia, 32

### Sphingomyelin

Increased Membrane Sphingomyelin and Arachidonic Acid in Stroke-Prone Spontaneously Hypertensive Rats, 1149

### Spinal cord injury

Altered Mayer Wave and Baroreflex Profiles in High Spinal Cord Injury, 141

### Spironolactone

Abstract, Closing Summary, and Table of Contents for Laragh's 25 Lessons in Pathophysiology and 12 Clinical Pearls for Treating Hypertension, 1173

Laragh's Lessons in Pathophysiology and Clinical Pearls for Treating Hypertension, 84

### Spontaneously hypertensive rat

Abnormalities in Lipid Composition of Brush-Border Membranes Isolated From Renal Cortex of Spontaneously Hypertensive Rats, 578

Differences in K<sup>+</sup> Current Components in Mesenteric Artery Myocytes From WKY and SHR, 897

Differential Salt-Sensitivity in the Pathogenesis of Renal Damage in SHR and Stroke Prone SHR, 311

Effect of ACE/NEP Inhibition on Cardiac and Vascular Collagen in Stroke-Prone Spontaneously Hypertensive Rats, 1067

Effects of PDGF A-Chain Antisense

Oligodeoxynucleotides on Growth of Cardiovascular Organs in Stroke-Prone Spontaneously Hypertensive Rats, 439

Enhanced Neutrophil Superoxide Anion Production and Its Modification By Beraprost Sodium in Spontaneously Hypertensive Rats, 722

Increased Membrane Sphingomyelin and Arachidonic Acid in Stroke-Prone Spontaneously Hypertensive Rats, 1149

Intracerebroventricular Metformin Attenuates Salt-Induced Hypertension in Spontaneously Hypertensive Rats, 1116

Rapid Hypotensive Response to Fasting in Spontaneously Hypertensive Rats, 1123

Regulation of Pressure-Activated Channel in Intact Vascular Endothelium of Stroke-Prone Spontaneously Hypertensive Rats, 716

Role of the Central Nervous System in NaCl-Sensitive Hypertension in Spontaneously Hypertensive Rats, 155S

Voluntary Running Improves Glucose Tolerance and Insulin Resistance in Female Spontaneously Hypertensive Rats, 708

### Streptozocin

Long-Term Endothelin Receptor Blockade Improves Cardiovascular Function in Diabetes, 679

### Stress

Sympathetic Neurobiology of Essential Hypertension:

Disparate Influences of Obesity, Stress, and Noradrenaline Transport Dysfunction?, 139S

## Stroke

Dipping Is Superior to Cusums Analysis in Assessment of the Risk of Stroke in a Case-Control Study, 649

## Sympathetic nervous system

Effects of Amlodipine on Baroreflex and Sympathetic Nervous System Activity in Mild-to-Moderate Hypertension, 424

Functionally Specific Renal Sympathetic Nerve Fibers: Role in Cardiovascular Regulation, 163S

Obesity Hypertension: Role of Leptin and Sympathetic Nervous System, 103S

Role of  $\alpha_2$ -Adrenergic Receptors in Hypertension, 171S

Sympathetic Nervous System and Insulin Resistance: From Obesity to Diabetes, 304S

Sympathetic Nervous System and Long-Term Blood Pressure Regulation, 147S

## Systolic blood pressure

ACE Inhibitors, Beta-Blockers, Calcium Blockers, and Diuretics for the Control of Hypertension, 241

Arterial Compliance Abnormalities in Isolated Systolic Hypertension, 1007

Arterial Distensibility and Ambulatory Blood Pressure Monitoring in Young Patients With Neurofibromatosis Type 1, 559

Association Between the  $\alpha$ -Adducin Gly460Trp Polymorphism and Systolic Blood Pressure in Familial Combined Hyperlipidemia, 1185

Effects of Short- and Long-Acting Calcium Channel Blockers on the Relationship Between Blood Pressure and Physical Activity, 66

Evaluation of the Placebo Effect and the Reproducibility of Blood Pressure Measurement in Hypertension, 546

Measurement of Arterial Properties in Hypertension, 183

Screening for Eligibility in the Study of Antihypertensive Medication in Children: Experience From the Ziac Pediatric Hypertension Study, 783

Similar Effects of Isolated Systolic and Combined Hypertension on Left Ventricular Geometry and Function: The LIFE Study, 768

Systolic Blood Pressure Alterations During Hyperinsulinemia Are Related to Changes in Ionized Calcium Status, 1106

## T

### Telmisartan

Pharmacology and Clinical Efficacy of Angiotensin Receptor Blockers, 242S

### Testosterone

Effect of Testosterone on Intracellular  $Ca^{++}$  in Vascular Smooth Muscle Cells (letter), 1273

## Thrombosis

Elevated Potassium Intake Inhibits Neointimal Proliferation in the Swine Coronary Artery, 879

Hypertension Due to Renal Artery Occlusion in a Patient With Antiphospholipid Syndrome, 62

## Thromboxane B2

Cardiovascular Effects of Transdermal Nicotine in Mildly Hypertensive Smokers, 610

## Treatment. See also Combination therapy; specific treatment modality

Changes in the Pharmacologic Treatment of Hypertension in the Department of Veterans Affairs 1997–1999: Decreased Use of Calcium Antagonists and Increased Use of  $\beta$ -Blockers and Thiazide Diuretics, 957

Circadian Rhythms and Clinical Medicine With Applications to Hypertension, 280S

Clinical Overview of Hypertension and Emerging Treatment Considerations, 226S

Herbs and Alternative Therapies in the Hypertension Clinic, 971

Hypertension Treatment Patterns in American Indians: The Strong Heart Study, 950

Laragh's Lessons in Pathophysiology and Clinical Pearls for Treating Hypertension, 84, 491

Low-Dose Combination Therapy: An Important First-Line Treatment in the Management of Hypertension, 286

Rationalizing the Treatment of Hypertension, 3S

## Tubulo-glomerular feedback

Effect of Familial Hypertension on Glomerular Hemodynamics and Tubulo-Glomerular Feedback After Uninephrectomy, 121

## U

### Uninephrectomy

Effect of Familial Hypertension on Glomerular Hemodynamics and Tubulo-Glomerular Feedback After Uninephrectomy, 121

### Uremia

Plasma OLC Is Elevated in Mild Experimental Uremia But Is Not Associated With Hypertension, 1112

## Urinary albumin excretion

Association Between Albumin:Creatinine Ratio and 24-Hour Ambulatory Blood Pressure in Essential Hypertension, 338

## V

### Valsartan

Pharmacology and Clinical Efficacy of Angiotensin Receptor Blockers, 242S

Sexual Activity in Hypertensive Men Treated With Valsartan or Carvedilol: A Crossover Study, 27

Valsartan Alone or With a Diuretic or ACE Inhibitor as

- Treatment for African American Hypertensives: Relation to Salt Intake, 665
- Vascular cell adhesion molecule-1**  
 Vascular Cell Adhesion Molecule-1 as a Biochemical Marker of Left Ventricular Mass in the Patients With Hypertension, 869
- Vascular disease. See also Cardiovascular disease**  
 Adhesion Molecules and Their Role in Vascular Disease, 44S  
 New Approaches to Screening for Vascular and Cardiac Risk, 218S  
 Role of Endothelin-1 in Hypertension and Vascular Disease, 83S
- Vascular smooth muscle**  
 Aortic Smooth Muscle Cell Proliferation and Endothelial Nitric Oxide Synthase Activity in Fructose-Fed Rats, 113S  
 Mechanical Strain Stimulates a Mitogenic Response in Coronary Vascular Smooth Muscle Cells Via Release of Fibroblast Growth Factor, 1128
- Vascular smooth muscle cells**  
 Effect of Testosterone on Intracellular  $Ca^{++}$  in Vascular Smooth Muscle Cells (letter), 1273  
 Effects of Phytoestrogens on DNA Synthesis and Creatine Kinase Activity in Vascular Cells, 1256
- Vascular system**  
 Angiotensin-Converting Enzyme Inhibition to Enhance Vascular Health—Clinical and Research Models, 264S
- Vascular tone**  
 Vasoregulatory Function of the Heme-Heme Oxygenase—Carbon Monoxide System, 62S
- Vasculopathy**  
 Mechanisms of Diabetic Vasculopathy: An Overview, 475
- Vasoconstriction**  
 CoenzymeA Glutathione Disulfide Is a Potent Modulator of Angiotensin II-Induced Vasoconstriction, 164
- Vasodilation**  
 Coronary Vasodilator Responses to Bradykinin in Euglycemic and Diabetic Rats, 446  
 Effect of Obesity on Endothelium-Dependent, Nitric Oxide-Mediated Vasodilation in Normotensive Individuals and Patients With Essential Hypertension, 1038  
 Role of the Angiotensin  $AT_2$  Receptor in Blood Pressure Regulation and Therapeutic Implications, 98S
- Verapamil**  
 Comparison of Two Calcium Blockers on Hemodynamic, Left Ventricular Mass, and Coronary Vasodilatory in Advanced Hypertension, 231  
 Effects of Dihydropyridine and Phenylalkylamine Calcium Antagonist Classes on Autonomic Function in Hypertension: The VAMPHYRE Study, 1083  
 Gender and Age Effects on the Ambulatory Blood Pressure and Heart Rate Responses to Antihypertensive Therapy, 1239  
 New Chronotherapeutic Oral Drug Absorption System for Verapamil Optimizes Blood Pressure Control in the Morning, 14  
 Pharmacology of Cardiovascular Chronotherapeutic Agents, 296S
- von Willebrand factor**  
 Cross-Sectional, Diurnal, and Follow-Up Study of Platelet Activation and Endothelial Dysfunction in Malignant Phase Hypertension, 823  
 Pilot Study of Homocyst(e)ine Levels in Essential Hypertension: Relationship to von Willebrand Factor, an Index of Endothelial Damage, 627
- 
- W**
- Weight loss. See also Obesity**  
 Weight Reduction and Pharmacologic Treatment in Obese Hypertensives, 530
- White coat hypertension**  
 Evaluation of White Coat Hypertension in Children: Importance of the Definitions of Normal Ambulatory Blood Pressure and the Severity of Casual Hypertension, 855  
 Is Resistant Hypertension Really Resistant?, 1263  
 Reduction of White Coat Effect by Cilnidipine in Essential Hypertension, 1053  
 Self-Diagnosed White Coat Hypertension, 1168  
 Transition From Pregnancy-Associated White Coat Hypertension to Sustained Hypertension in a Woman With Domestic Stress (letter), 489
- Women**  
 Bone Mineral Density in Women With Essential Hypertension, 704  
 Hemodynamic Responses to Obstructive Respiratory Events During Sleep Are Augmented in Women With Preeclampsia, 1090  
 Hormone Replacement Therapy Increases Plasma Level of Angiotensin II in Postmenopausal Hypertensive Women, 206  
 Leptin and Norepinephrine Plasma Concentrations During Glucose Loading in Normotensive and Hypertensive Obese Woman, 619  
 Transition from Pregnancy-Associated White Coat Hypertension to Sustained Hypertension in a Woman With Domestic Stress (letter), 489



## Author Index

### A

Aalkjaer, C., 861  
 Abraham, N. G., 62S  
 Abrignani, M. G., 637  
 Adachi, M., 908  
 Adrogué, H. E., 412  
 Aeschbacher, B. C., 106  
 Agabiti-Rosei, E., 1083  
 Agalakova, N., 761  
 Ahluwalia, J. S., 942  
 Akinsegun, A., 592  
 Alderman, M. H., 1172  
 Alexander, B. T., 178S  
 Allemann, Y., 106  
 Almerigogna, F., 259  
 Alter, A., 74  
 Ames, R. P., 653  
 Ancoli-Israel, S., 887  
 Andersen, D., 1116  
 Andersen, U. B., 1205  
 Anderson, A., 835  
 Anderson, A. I. E., 241  
 Anderson, D. C., Jr, 694  
 Anderson, D. E., 761  
 Anderson, P. G., 879  
 Andreadis, E. A., 632  
 Andrejak, M., 989  
 Antony, I., 1231  
 Anwar, Y. A., 1248  
 Anzalone, D. A., 218  
 Arikawa, E., 679  
 Armengod, M. E., 364  
 Arnaldi, G., 62  
 Arnett, D. K., 200, 1226  
 Artemisia, A., 619  
 Asmar, R., 91, 415, 546  
 Aubert, J.-F., 914  
 August, P., 983  
 Ayangade-Johnson, O., 387  
 Aylor, J., 743

### B

Bagrov, A. Y., 761  
 Baguet, J.-P., 424, 755  
 Baibas, N. M., 688  
 Bakris, G. L., 264S  
 Barbagallo, M., 637, 1273  
 Barbosa, J. A., 788  
 Basta, G., 259  
 Bates, D. W., 1219  
 Battell, M., 429

Bedigian, M. P., 665  
 Beeks, E., 1185  
 Beevers, D. G., 627, 823  
 Bella, J. N., 768, 1205, 1226  
 Bellanuova, I., 224  
 Bellido, C. A., 390  
 Beltran, A., 1007  
 Bemurat, L., 524  
 Benetos, A., 755  
 Benjafield, A. V., 1201  
 Bennett, W. A., 178S  
 Benowitz, N. L., 731  
 Berenson, G. S., 212, 1046  
 Berenshtein, C. S., 271, 390  
 Berger, M. E., 811  
 Berndt, T. J., 893  
 Bernini, W., 259  
 Berruti, V., 371  
 Berry, K. L., 573  
 Bertolini, A., 644  
 Bertram, D., 835  
 Bezante, G. P., 371  
 Bidani, A. K., 311  
 Bischoff, H., 55S  
 Blacher, J., 91  
 Black, H. R., 1239  
 Blanco, M. V., 271, 390  
 Blank, M., 149  
 Blann, A. D., 627, 823  
 Blezer, E. L. A., 54  
 Bloch, M. J., 983  
 Blumenfeld, J. D., 1154, 1270  
 Blumenthal, J. A., 749  
 Blyton, D. M., 1090  
 Bobik, A., 1128  
 Boerwinkle, E., 1046  
 Bonnet, F., 475  
 Botstein, D., 1196  
 Boulatov, V. A., 338  
 Bousquet, P., 317S  
 Brakemeier, S., 716  
 Brando, B., 121  
 Brands, M. W., 126S, 1123  
 Brisac, A.-M., 415  
 Broggi, R., 644  
 Brown, C. A., 694  
 Brown, M., 70  
 Brown, M. A., 1263

Brown, M. D., 1178  
 Brunner, H., 914  
 Bucci, A., 44  
 Buddle, M. L., 1263  
 Buemi, M., 619  
 Burrill, R. E., 794  
 Burszty, M., 980, 1211  
 Busnach, G., 121  
 Butkevich, A., 649

### C

Calabrese, E., 559  
 Cambien, F., 755  
 Cameron, J. D., 573  
 Camilletti, A., 382  
 Campbell, L., 699  
 Canzanello, V. J., 345  
 Carella, C., 114, 1019  
 Carey, R. M., 98S  
 Carlson, S. H., 155S  
 Carroll, J. S., 51  
 Carvajal, A., 600  
 Casali, B., 934  
 Castellano, M., 1083  
 Castro, C., 1135  
 Cataliotti, A., 224  
 Catanzaro, D. F., 1270, 1276  
 Chalmers, J. P., 270S  
 Chapman, N., 455  
 Chatelain, D., 989  
 Chatzis, N. A., 632  
 Chaves, F. J., 364  
 Chayama, K., 1038  
 Cheigh, J., 1270  
 Chen, W., 212, 1046  
 Chen, Y.-D. L., 1196  
 Cheung, J., 32  
 Chiang, F.-T., 1196  
 Chrysant, S. G., 768  
 Chu, N.-F., 135  
 Chuan, P., 1142  
 Churchill, P. C., 311  
 Çinar, Y., 433  
 Cipriano, C., 524  
 Cittadino, M., 610  
 Civati, G., 121  
 Clark, K., 743  
 Clark, R. J., 708  
 Clementy, J., 524  
 Cockcroft, J. R., 980  
 Cohn, J. N., 200, 218S, 258S, 1007

Colas, B., 989  
 Collin, T., 989  
 Collins, M., 70  
 Colombo, S., 644  
 Conlin, P. R., 395  
 Cook, B. B., 351  
 Cooney, J. L., 942  
 Cooper, M. E., 475  
 Coplan, N., 231  
 Cordonnier, C., 989  
 Corica, F., 619  
 Corradi, L., 27  
 Correia, M. L. G., 615  
 Corsonello, A., 619  
 Cox, D. R., 1196  
 Cox, R. H., 897  
 Cozzi, M. G., 121  
 Cozzutti, E., 1191  
 Crook, E. D., 132S  
 Cruzado, M., 1135  
 Cuccurullo, F., 44  
 Cunningham, F., 957  
 Cunningham, R. J., 783  
 Curb, D., 1196  
 Curhan, G. C., 1219  
 Cushman, W. C., 226S  
 Cutrupi, S., 224  
 Cuzzola, F., 224

### D

D'Errico, A., 114, 1019  
 Dahlöf, B., 174, 768, 775  
 Dart, A. M., 573, 804  
 Davis, H. C., 351  
 Davoli, S., 934  
 Dawnay, A., 1112  
 de Bruin, T. W. A., 357, 1185  
 De Caterina, R., 259  
 de Divitiis, O., 114, 1019  
 de Gaudemaris, R., 424  
 De Gregorio, T., 619  
 de Kam, P.-J., 1083  
 de la Hermosa, M. Á., 578  
 de Leeuw, P. W., 1185  
 Dechend, R., 55S  
 Deferrari, G., 371  
 del Pozo, J. G., 600  
 Delacretaz, E., 106  
 Delles, C., 672  
 Dengel, D. R., 1178  
 Devereux, R. B., 768, 775, 861, 950, 1226

Dewar, E. M., 573  
 Di Salvo, G., 559  
 Diamantopoulos, E. J., 632  
 Diamond, J. A., 231, 305,  
 474, 599, 729, 829,  
 969, 1073, 1168  
 DiBona, G. F., 163S  
 Diemer, N. H., 1116  
 Dietz, N. J., 897  
 Dietz, R., 55S  
 Dige-Petersen, H., 861,  
 1205  
 Dilley, R. J., 1128  
 Dimsdale, J. E., 887  
 Ding, Y., 169  
 Distler, A., 716  
 Domenech, C., 1142  
 Dominguez, L. J., 637,  
 1273  
 Dominiczak, A., 1149  
 Donahue, R., 200  
 Dorrance, A. M., 1149  
 Duman, K., 433  
 Dumont, A. S., 429  
 Duriez, M., 7

## E

Edmunds, E., 627, 823  
 Edwards, N., 1090  
 Egan, B. M., 116S, 1032  
 Eichner, J. E., 950  
 Eide, I. K., 539  
 Eissa, M. A., 783  
 Elkasabany, A., 1046  
 Elkayam, A., 377  
 Elliott, W. J., 291S, 1239  
 Ellsworth, D. L., 1046  
 Ericsson, J. O., 1201  
 Erlich, Y., 3  
 Esler, M., 139S, 304S

## F

Fabsitz, R. R., 950  
 Fagard, R., 504  
 Fagret, D., 424  
 Falkner, B., 218  
 Fallon, M., 1083  
 Faloia, E., 382  
 Fardon, N. J. M., 927  
 Ferdinand, K., 788  
 Ferrandi, M., 44  
 Ferrell, R. E., 1178  
 Ferri, C., 224  
 Fiebler, A., 55S  
 Filigheddu, F., 224

Fink, J. C., 963  
 Finkelstein, S. M., 1007  
 Finklestein, S., 200  
 Fisher, N. D.L., 218  
 Fisman, E. Z., 149  
 Fitzgerald, S. M., 126S,  
 1123  
 Fluckiger, L., 1083  
 Flyvbjerg, A., 1211  
 Fodor, G., 1099  
 Foecking, M. F., 200S  
 Fogari, E., 921  
 Fogari, R., 27, 921  
 Foreyt, J. P., 660  
 Fossum, E., 539  
 Franco, K., 855  
 Fraser, R., 1149  
 Fray, J., 1058  
 Frigo, G., 1191  
 Frohlich, E. D., 194S  
 Fugmann, A., 1106  
 Fuhrer, J., 106  
 Fujimaki, Y., 267  
 Fujimura, A., 722  
 Fujita, M., 267  
 Fukuda, N., 439

## G

Gairard, A., 585  
 Galderisi, M., 114, 1019  
 Galletti, F., 224  
 Gamble, G., 38  
 Gatzka, C. D., 573  
 Gautier, S., 755  
 Gavish, B., 74  
 Gavish, D., 1096  
 Gavras, H. P., 171S,  
 231S  
 Gavras, I., 171S  
 Gerber, L. M., 553  
 Gerds, E., 768  
 Gerhardt, U., 1012  
 Geurts, J. M.W., 1185  
 Gharavi, A., 231  
 Ghiadoni, L., 259  
 Giacchetti, G., 62, 382  
 Giacco, S., 942  
 Giannakopoulos, N. S.,  
 632  
 Giles, T. D., 446  
 Given, M. B., 446  
 Glasser, S. P., 200, 1007  
 Glorioso, N., 224  
 Goldbourt, U., 12S  
 Goldman, A., 231  
 Goldsmith, R., 231

Golub, M. S., 248, 811  
 Gomez-Sanchez, C. E.,  
 200S  
 Gomez-Sanchez, E. P.,  
 200S  
 Gondocs, C., 600  
 Gonick, H. C., 169, 873  
 González, S., 1135  
 Goodfriend, T. L., 116S,  
 1032  
 Gosse, P., 524, 755  
 Grady, A. W., 879  
 Graham, D., 1149  
 Graham, G., 743  
 Grandi, A. M., 644  
 Granger, D. N., 44S  
 Granger, J. P., 27S, 178S  
 Grassia, C., 559  
 Greenberg, S. S., 446  
 Greene, E. L., 116S  
 Griffin, K. A., 311  
 Grossman, E., 12S  
 Grosso, O., 271, 390  
 Grundig, A., 716  
 Guasti, L., 644  
 Guidi, E., 121

## H

Høieggen, A., 539  
 Haenni, A., 1106  
 Hall, J. E., 27S, 103S,  
 694, 1123  
 Haller, H., 55S  
 Hamet, P., 331, 1099  
 Hamyln, J. M., 44  
 Hanafusa, T., 868  
 Hanon, O., 755  
 Hara, K., 321  
 Harada, K., 722  
 Harada, S., 1053  
 Harats, D., 149  
 Hardman, T. C., 32  
 Harshfield, G. A., 1003  
 Hartono, C., 1270  
 Harwood, S., 1112  
 Haschemeyer, R., 1270  
 Hashimura, K., 1128  
 Hastings, J., 304S  
 Haus, E., 280S  
 Hausberg, M., 254, 1083  
 Hayashi, K., 602  
 Hayashi, T., 469  
 Haynes, W. G., 615  
 Hays, J. C., Jr, 879  
 Hayslett, J. A., 950  
 Hayward, C. S., 699

Hazanov, N., 1096  
 Hebert, J., 1196  
 Hee, F. L. L. S., 823  
 Heistad, D. D., 28S  
 Heitmann, J., 1083  
 Henderson, J., 950  
 Henry, X., 989  
 Henzlova, M. J., 231  
 Hermann, K. L., 120S  
 Higashi, Y., 1038  
 Higashikawa, M., 818  
 Hildebrandt, D. A., 103S  
 Hilgers, K. F., 672  
 Hillebrandt, U., 1012  
 Hinderliter, A. L., 749  
 Hirano, T., 908  
 Hoagland, K. M., 90S  
 Hogg, R. J., 783  
 Hohage, H., 1012  
 Hollenberg, N. K., 218,  
 237S  
 Holstein-Rathlou, N.-H.,  
 1116  
 Holubkov, R., 463  
 Hong, Y., 1226  
 Hopkins, P. N., 218, 1226  
 Hori, M. T., 248, 811  
 Horie, E., 267  
 Hoshida, S., 509, 818  
 Howard, B. V., 950  
 Hoyer, J., 716  
 Hsu, C.-y., 1219  
 Hsueh, W., 218  
 Hsuing, C. A., 1196  
 Hu, L., 68S  
 Hunder, I., 345  
 Hung, Y.-J., 1196  
 Hutchison, H., 218  
 Hutter, D., 106

## I

Iacono, A., 559  
 Iavicoli, O. R., 390  
 Ibsen, H., 861, 120S  
 Ichikawa, S., 206  
 Ientile, R., 619  
 Imperiale, D., 644  
 Ito, N., 141  
 Itoh, H., 1053  
 Izumi, Y., 409

## J

Jabary, N. S., 600  
 Jackson, R. W., 1003  
 Jalali, A., 615

Jandeleit-Dahm, K., 475  
 Jankowski, J., 164  
 Janssen, R. G. J. H., 1185  
 Jennings, G. L. R., 573, 1128  
 Jensen, P. L., 345  
 Jern, S., 775  
 Jessula, A., 644  
 Jin, X.-H., 98S  
 Jindal, M., 351  
 Joffres, M. R., 1099  
 Johnson, M. F., 1239  
 Joles, J. A., 54  
 Jonderko, G., 995  
 Jones, A. F., 627  
 Jones, D. W., 27S, 694  
 Joshua, I. G., 387  
 Julius, S., 775, 249S, 310S

## K

Kaide, J.-I., 62S  
 Kaiser, S. J., 794  
 Kakinoki, S., 66  
 Kalkana, C. B., 688  
 Kameyama, J., 141  
 Kanakakis, J. E., 195  
 Kanda, H., 248  
 Kanda, T., 206  
 Kanmatsuse, K., 409, 439  
 Kaplan, N. M., 8S, 221S  
 Kapuku, G. K., 351  
 Kapur, S., 1270  
 Kario, K., 489, 509, 818  
 Kashiwazaki, K., 908  
 Kataoka, H., 276  
 Katayama, Y., 818, 868  
 Katsuki, T., 509  
 Kawagoe, K., 20  
 Kawaguchi, A., 722  
 Kaye, D., 139S, 304S  
 Kelly, R. P., 699  
 Keulen, E. T. P., 357, 1185  
 Khalil, R. A., 178S  
 Khraibi, A. A., 893  
 Kido, H., 1053  
 Kimball, K. T., 660  
 Kingwell, B. A., 573  
 Kinkhabwala, M., 1270  
 Kinoshita, M., 267  
 Kinoshita, Y., 419  
 Kirjavainen, T. T., 1090  
 Kishida, M., 276  
 Kishioka, H., 439  
 Kisters, K., 254  
 Kitabatake, A., 66

Kitoh, Y., 722  
 Kitzman, D. W., 1226  
 Kjeldsen, S. E., 539, 775  
 Klöner, R. A., 70  
 Knoll, E., 1256  
 Kobayashi, I., 206  
 Kobayashi, N., 321  
 Kohen, F., 1256  
 Kojima, K., 267  
 Kojima, S., 516  
 Komamura, K., 868  
 Koomans, H. A., 54  
 Kosch, M., 254  
 Kostandonis, D., 195  
 Kostis, J. B., 798  
 Kostis, W. J., 798  
 Krakoff, L. R., 1, 231, 1172  
 Krauss, R. M., 218  
 Kreutz, R., 716  
 Krieglstein, C. F., 44S  
 Kroon, A. A., 1185  
 Krum, H., 98  
 Kucharz, E. J., 995  
 Kudo, R., 77  
 Kumagai, H., 602  
 Kumamaru, H., 602  
 Kunimoto, M., 409  
 Kuo, J., 103S  
 Kuperman, G. J., 1219  
 Kuramochi, M., 516  
 Kuroda, Y. T., 868  
 Kurtz, T. W., 311, 1276  
 Kushnir, E., 788  
 Köhler, R., 716  
 Köneke, J., 254

## L

L'italien, G. J., 1099  
 Labat, C., 755  
 Lacy, C. R., 798  
 Lajemi, M., 755  
 Lakatta, E. G., 463  
 Lama, G., 559  
 Lambert, G., 139S, 304S  
 Lampe, F. C., 455  
 Lange, C., 1058  
 Lansang, M. C., 51  
 Lant, A. F., 32  
 Lapenna, D., 44  
 LaPier, T. L. K., 708  
 Laragh, J. H., 84, 186, 296, 307, 397, 491, 603, 733, 837, 1154, 1173, 1175, 1177  
 Lawrence-Nelson, J., 798  
 Lazzerini, G., 259

Lee, E. T., 950  
 Lefrandt, J. D., 1083  
 Leibovitz, E., 1096  
 Lekakis, J. P., 195  
 Lemetayer, P., 524  
 Leoncini, G., 371  
 Lerman, J., 271, 390  
 Leung, Y.-M., 429  
 Levy, B. I., 7  
 Lewanczuk, R. Z., 1273  
 Lewin, A., 788  
 Liang, K., 169  
 Liang, M., 893  
 Liao, G.-S., 743  
 Licata, G., 1273  
 Lin, H., 879  
 Lin, R. C.Y., 1201  
 Lind, L., 1106  
 Lindschau, C., 55S  
 Lip, G. Y. H., 627, 823  
 Lithell, H., 1106  
 Little, P. J., 1128  
 Lluch, S., 1142  
 Lochard, N., 38S  
 Lohmeier, T. E., 147S  
 Loiseau, A., 1231  
 London, G. M., 91  
 Lopes, H. F., 1032  
 Lopez, J., 957  
 Loreda, J. S., 887  
 Lozinskaya, I., 897  
 Luft, F. C., 55S  
 Lumb, P. J., 32  
 Luo, J., 879  
 Lupattelli, G., 1025  
 Lyle, K., 879

## M

Ma, G., 879  
 Machac, J., 231  
 MacInnis, R. J., 241  
 Mackey, R. H., 463  
 MacLean, D. R., 1099  
 Maier, K. G., 90S  
 Majahalme, S., 310S  
 Majid, D. S. A., 74S  
 Makino, H., 276  
 Malamani, G., 921  
 Malara, A., 619  
 Malatino, L., 224  
 Mallamaci, F., 224  
 Mallion, J.-M., 424  
 Mancina, G., 303S, 325S  
 Mann, S. J., 553, 831  
 Mannarino, E., 1025  
 Manning, R. D., Jr., 68S  
 Mansoor, G. A., 971, 1248  
 Mantero, F., 62, 382  
 Manunta, P., 44  
 Marasi, G., 27  
 Marchesi, S., 1025  
 Marcisz, C., 995  
 Marfella, R., 114  
 Mark, A. L., 615  
 Martarelli, D., 382  
 Martin, A., 1263  
 Martin, K., 231  
 Martin, S. C., 627  
 Mas, D., 524  
 Mashida, C., 20  
 Masuo, K., 530  
 Masuyama, Y., 419, 704  
 Mate, A., 578  
 Materson, B. J., 293  
 Matsuoka, H., 321  
 Matsuura, H., 1038  
 Mattson, D. L., 405  
 Matz, R. L., 585  
 Matzkies, F., 254  
 Mayet, J., 455  
 Mayk, A., 3  
 Mazzanti, L., 382  
 McCarron, D. A., 206S  
 McCowan, L., 38  
 McCune, S. A., 1058  
 McGrath, B., 804  
 McMahon, A. C., 1112  
 McNeil, J., 98  
 McNeill, J. H., 429, 679  
 McVeigh, G., 200, 1007  
 Medina, P., 1142  
 Meier, J., 957  
 Mekler, J., 1211  
 Meng, S., 68S  
 Mensah, G., 351  
 Meredith, P., 394  
 Messerli, F. H., 12S, 978  
 Methot, D., 38S  
 Mezzetti, A., 44  
 Miatello, R., 1135  
 Michelson, E. L., 567  
 Mikami, H., 530  
 Mikuni, Y., 267  
 Miller, M. E., 694  
 Mimran, A., 755  
 Mimura, Y., 276  
 Minetti, E. E., 121  
 Mirelman, D., 377  
 Miron, T., 377  
 Mitsuhashi, T., 509  
 Miyamoto, A., 77  
 Miyata, T., 818  
 Miyatake, K., 868

Moan, A., 539  
 Monari, A., 1191  
 Mondillo, S., 1019  
 Morales, J., 592  
 Moreno, C., 90S  
 Moreno, H., Jr., 610  
 Moretti, N., 382  
 Morgan, D., 1007  
 Morgan, D. A., 615  
 Morgan, T., 241, 835, 914  
 Mori, K., 868  
 Moriguchi, J., 1053  
 Morimoto, S., 1053  
 Morris, B. J., 1201  
 Morton, S., 743  
 Motro, M., 149  
 Mouloupoulos, S. D., 195  
 Mountokalakis, T. D., 688  
 Moxey-Mims, M., 783  
 Mugellini, A., 27, 921  
 Mullen, A. M., 1112  
 Mulvany, M. J., 331  
 Munakata, M., 141  
 Muntzel, M. S., 592, 1116  
 Murphy, M., 1083  
 Müller, D., 55S

## N

N'Tela, G., 524  
 Naber, C., 1191  
 Nakagawa, K., 1038  
 Nakagawa, M., 1053  
 Nakata, T., 1053  
 Nakayama, M., 439  
 Nakayama, T., 409  
 Nakayama, Y., 469  
 Nanbu, A., 20  
 Narayan, P., 768  
 Nardi, E., 637  
 Nasjletti, A., 62S  
 Natale, F., 559  
 Navar, L. G., 74S  
 Negro, A., 934  
 Nelson, M., 98  
 Neutel, J. M., 14, 286, 1S, 567, 665, 250S, 1007  
 Ni, Z., 155  
 Nicolay, K., 54  
 Nicoli, D., 934  
 Nishijima, T., 469  
 Nishikawa, S., 77  
 Nishimura, M., 20

Nishio, I., 419, 704  
 Nitenberg, A., 1231  
 Nomura, A., 66  
 North, R. A., 38  
 Novo, G., 637  
 Novo, S., 637  
 Nunokawa, T., 141  
 Nyengaard, J. R., 331

## O

O'Malia, B., 743  
 Oberman, A., 1226  
 Ogihara, T., 530  
 Oguni, A., 1053  
 Ogura, T., 276  
 Ohmori, M., 722  
 Ohshika, H., 77  
 Okin, P. M., 775  
 Oldfield, M., 475  
 Olivier, M., 1196  
 Olsen, M. H., 861, 1205  
 Olshen, R., 1196  
 Omboni, S., 129  
 Oncken, C. A., 942  
 Oparil, S., 186S  
 Opie, L. H., 1074  
 Os, I., 338  
 Oshima, T., 1038  
 Otsuka, F., 276  
 Ozkor, M., 455

## P

Palatini, P., 310S, 1191  
 Pantanetti, P., 62  
 Paolisso, G., 114, 1019  
 Papademetriou, V., 768  
 Papamichael, C. M., 195  
 Papasteriades, C. A., 632  
 Pardaens, K., 504  
 Park, J.-K., 55S  
 Parlono, S., 224  
 Parsons, D. J., 761  
 Pascual, J. M., 364  
 Pasqualini, L., 1025  
 Patel, J., 32  
 Peleg, E., 74, 377  
 Peng, N., 155S  
 Perazzoli, F., 934  
 Pesich, R., 1196  
 Petersen, J. S., 1116  
 Phillips, R. A., 231, 649  
 Picken, M., 311  
 Pickering, T. G., 489, 983  
 Pierdomenico, S. D., 44  
 Planas, J. M., 578

Poffenbarger, T., 855  
 Poirier, O., 755  
 Poletti, L., 27  
 Pollock, D. M., 1003  
 Pollock, J. S., 1003  
 Pontremoli, R., 371  
 Portman, R., 855  
 Poston, W. S. C., 660  
 Poulter, N. R., 455, 1170  
 Praprotnik, S., 149  
 Pratt, R., 1196  
 Preti, P., 921  
 Price, D. A., 218  
 Prineas, R., 200  
 Prisant, L. M., 70, 277S  
 Pu, Q., 1067

## Q

Queneau, P., 546

## R

Rabinkov, A., 377  
 Rahn, Karl H., 254, 1083  
 Ranade, K., 1196  
 Ranjan, R., 798  
 Raskin, P., 218  
 Ratti, G., 559  
 Ravazzolo, R., 371  
 Ravera, M., 371  
 Raz, I., 1211  
 Reaven, G. M., 218  
 Reboldi, G., 1025  
 Redline, S., 743  
 Redon, J., 364  
 Regolisti, G., 934  
 Rehemudula, D., 409  
 Reid, C., 98  
 Reid, Christopher M., 573, 804  
 Reid, J. L., 322S  
 Resnick, L. M., 1273  
 Reudelhuber, T. L., 38S  
 Reusser, M. E., 206S  
 Riccialdelli, L., 62  
 Riggio, R., 1270  
 Risch, N., 1196  
 Risler, N., 1135  
 Rivera, R., 44  
 Robert, S., 271  
 Rocha, J. C., 610  
 Rodnick, K. J., 708  
 Rodriguez-Mulero, F., 62S  
 Rodriguez, G., 271  
 Roisinblit, J., 271  
 Rokkedal, J., 1205  
 Rolf, C., 783

Roman, R. J., 90S  
 Rombopoulos, C. G., 195  
 Rosatto, N., 371  
 Rosenberger, C., 963  
 Rosenthal, T., 3, 74, 377  
 Rossi, E., 934  
 Rostrup, M., 539, 1083  
 Rothermund, L., 716  
 Roussias, L. G., 688  
 Rovira, E., 364  
 Roysomutti, S., 155S  
 Rudnichi, A., 91  
 Ruggero, R., 1273  
 Ruilope, L. M., 213S  
 Rumantir, M., 139S, 304S  
 Ruiz-Gutiérrez, V., 578  
 Rüttler, M., 1135

## S

Sabha, M., 610  
 Sadetzki, S., 377  
 Safar, M. E., 91, 546, 989  
 Saftaou, F., 989  
 Saini, R., 788  
 Sakata, T., 818  
 Salvetti, A., 259  
 Samaras, K., 699  
 Samuel, J. L., 7  
 Sani, C., 934  
 Santillo, R., 644  
 Santonastaso, M., 1191  
 Sartori, M., 1191  
 Saruta, T., 602  
 Sasaki, Shota, 1038  
 Sasaki, Susumu, 1053  
 Sato, M., 409  
 Sato, Y., 509  
 Schede-Don, K., 487  
 Schiffrin, E. L., 83S, 1067  
 Schillaci, G., 1025  
 Schlüter, H., 164  
 Schmid, A., 164  
 Schmieder, R. E., 672  
 Scuteri, A., 761  
 Segarra, G., 1142  
 Selva, E., 644  
 Semplicini, A., 1191  
 Şenyol, A. M., 433  
 Serur, D., 1270  
 Sevilano, E. R., 600  
 Sevre, K., 1083  
 Shargorodsky, M., 1096  
 Sharkey, L. C., 1058  
 Sheinart, K. F., 649  
 Shelkovnikov, S. A., 873  
 Shemesh, J., 149



Sherer, Y., 149  
 Sherwood, A., 749  
 Shida, M., 516  
 Shieh, S.-M., 135  
 Shigemoto, S., 868  
 Shimada, K., 509, 818  
 Shimazu, N., 267  
 Shinn, E. H., 660  
 Shoenfeld, Y., 149  
 Shue, W. H.-H., 1196  
 Sica, D. A., 225S, 242S,  
 1239, 1248  
 Siché, J. P., 424  
 Siegel, D., 957  
 Siffert, W., 1191  
 Sigmund, C. D., 33S  
 Silversides, D. W., 38S  
 Sinaiko, A. R., 200, 412,  
 976  
 Siragy, H. M., 98S  
 Sivitz, W. I., 615  
 Skelton, T. N., 879  
 Skeva, I. I., 688  
 Skov, K., 331  
 Slama, M., 989  
 Smallberger, S., 32  
 Smit, A. J., 1083  
 Smith, D. H. G., 14, 286,  
 665, 296S  
 Smolensky, M. H., 280S  
 Soma, M., 409  
 Somjen, D., 1256  
 Sorof, J. M., 783, 855  
 Sos, T. A., 831, 983  
 Spence, J. D., 835  
 Spurgeon, H. A., 463  
 Srinivasan, S. R., 212,  
 1046  
 Srivastava, N. T., 879  
 St. Jeor, S. T., 660  
 Stamatelopoulos, S. F., 195  
 Stancanelli, B., 224  
 Steffen, P., 749  
 Stenhejm, A., 338  
 Stergiou, G. S., 688  
 Stern, N., 1256  
 Stojiljkovic, M. P., 1032  
 Strano, A., 637  
 Strazzullo, P., 224  
 Stubenbord, W. T., 1270  
 Sudhir, K., 1128  
 Sugimoto, K.-i., 722  
 Sullivan, C. E., 1090  
 Sumino, H., 206

Supiano, M. A., 1178  
 Sutton-Tyrell, K., 463  
 Suwelack, B., 1012  
 Swislocki, A. L.M., 708

## T

Taddei, S., 259  
 Tagliamonte, M. R., 114,  
 1019  
 Takagawa, Y., 811  
 Takahashi, M., 276  
 Takahashi, Y., 409  
 Takano, H., 516  
 Takechi, S., 66  
 Takeda, K., 1053  
 Tan, D. Y., 68S  
 Tanaka, K.-e., 516  
 Tanus-Santos, J. E., 610  
 Tapolyai, M., 487  
 Tarassi, K. E., 632  
 Tatsumi, R., 868  
 Taylor, A. L., 743  
 Taylor, R. S., 38  
 Tedesco, M. A., 559  
 Tenenbaum, A., 149  
 Tepel, M., 164  
 Teramoto, T., 267  
 Tewksbury, D. A., 794  
 Thom, S. A. M., 455  
 Thomas, T. H., 927  
 Thurston, R., 749  
 Tichet, J., 415  
 Tobe, H., 409  
 Tolbert, T., 186S  
 Toledo, J. C. Y., 610  
 Topouchian, J., 415  
 Torondel, B., 1142  
 Toumanidis, S. T., 195  
 Treiber, F. A., 351, 1003  
 Tremblay, F., 38S  
 Trenkwalder, P., 394  
 Tripepi, G., 224  
 Trost, D. A., 983  
 Trémel, F., 424  
 Tsubokou, Y., 321  
 Tsuda, K., 419, 704  
 Tsumura, K., 469  
 Tuck, M. L., 248, 530, 811  
 Tuhim, S., 649

## U

Udvari-Nagy, S., 487  
 Ueda, H., 469

Umeda, M., 206  
 Umeda, Y., 509  
 Urbigkeit, A., 1083  
 Urbina, E. M., 783  
 Ushiyama, M., 20  
 Uwabo, J., 409

## V

Vaitkevicius, P. V., 463  
 van der Giet, M., 164  
 Van Kirk, J. R., 942  
 Van Overloop, B., 585  
 van Roon, A. M., 1083  
 van Zwieten, P. A., 325S  
 vanKats, J. P., 38S  
 Varricchio, G., 1019  
 Varricchio, M., 114  
 Vassilopoulos, C. V., 632  
 Vaudo, G., 1025  
 Vaziri, N. D., 155, 169  
 Veelken, R., 672  
 Vega, H. R., 271, 390  
 Venco, A., 644  
 Vendetti, J., 567  
 Verdecchia, P., 1025  
 Verma, S., 429, 679  
 Viazzi, F., 371  
 Vila, J. M., 1142  
 Viridis, A., 259  
 Vlachonikolis, I. G., 632  
 Vogiazoglou, T. J., 195  
 Vol, S., 415  
 Voors-Pette, C., 357  
 Vázquez, C. M., 578

## W

Wachtell, K., 768, 861,  
 1205  
 Waller, J. L., 1003  
 Wang, D.-J., 135  
 Wang, R. Y., 567  
 Wang, W., 950  
 Watanabe, S., 321  
 Watanabe, Y., 439  
 Waterer, H. C., Jr, 879  
 Waugh, R. A., 749  
 Webb, R. C., 311, 1149  
 Weber, M. A., 14, 183,  
 286, 3S, 567, 1007  
 Wei, L., 169  
 Weidmann, P., 106  
 Weir, M. R., 17S, 567,  
 665, 963

Weiss, O., 1211  
 Welty, T. K., 950  
 Wen-Yang, H., 439  
 Westermann, G., 254  
 White, W. B., 942, 1239,  
 1248  
 Whitmer, J., 983  
 Wierzbicki, A. S., 32  
 Wiesner, G., 304S  
 Wilchek, M., 377  
 Wilkinson, I. B., 980  
 Wilkinson, R., 927  
 Williams, B., 1170  
 Williams, G. H., 51  
 Wilson, A. C., 798  
 Winnicki, M., 1191  
 Witta, J., 1012  
 Wofford, M. R., 694  
 word, K., 393  
 Wright, J. T., Jr, 743  
 Wyss, J. M., 155S

## Y

Yamamoto, H., 77  
 Yamashita, N., 469  
 Yamauchi, T., 276  
 Yao, L., 429  
 Yeh, J. L., 950  
 Yellen, L., 788  
 Yokoyama, H., 516  
 Yoneda, K., 868  
 Yoshikawa, J., 469  
 Yoshimaru, K., 469  
 Yoshimura, M., 20  
 Yoshinaga, K., 141  
 Yoshino, G., 908  
 Young, D. B., 879  
 Yu, M., 90S  
 Yuan, O., 1058

## Z

Zagami, P., 371  
 Zakopoulos, N. A., 195  
 Zanchetti, A., 129  
 Zannad, F., 1083  
 Zhang, D., 1032  
 Zhang, F., 62S  
 Zidek, W., 164  
 Zimlichman, R., 1096  
 Zito, G. A., 114  
 Zoccali, C., 224  
 Zoppi, A., 27, 921